

**RECORD OF DECISION
PARK EUCLID WQARF REGISTRY SITE
TUCSON, ARIZONA**



June 29, 2021

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PHOENIX, ARIZONA**

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LIST OF ACRONYMS

A.A.C.	Arizona Administrative Code
ADEQ	Arizona Department of Environmental Quality
ADWR	Arizona Department of Water Resources
A.R.S.	Arizona Revised Statute
AWQS	Aquifer Water Quality Standard
BGS	Below Ground Surface
CAB	Community Advisory Board
CIP	Community Involvement Plan
COCs	Contaminants of Concern
cDCE	cis-1,2-dichloroethene
tDCE	trans-1,2-dichloroethene
ERA	Early Response Action(s)
EPA	Environmental Protection Agency
FS	Feasibility Study
GPL	Groundwater Protection Level(s)
GPM	Gallons per Minute
LGAC	Liquid Phase Granular Activated Carbon
LNAPL	Light Non-Aqueous Phase Liquid
LVZ	Lower Vadose Zone
MNA	Monitored Natural Attenuation
MPE	Multi-Phase Extraction
NFA	No Further Action
PA	Perched Aquifer
PASI	Preliminary Assessment Site Investigation(s)
PCE	Tetrachloroethene
PRAP	Proposed Remedial Action Plan

RA	Regional Aquifer
RI	Remedial Investigation
RO	Remedial Objective(s)
ROD	Record of Decision
SRL	Soil Remediation Level(s)
SVE	Soil Vapor Extraction
TCE	Trichloroethene
TFVH	Total Fuel Volatile Hydrocarbons
UAM	University of Arizona Monitoring
ug/L	Micrograms per Liter
ug/m ³	Micrograms per Cubic Meter
UVZ	Upper Vadose Zone
VC	Vinyl Chloride
VOCs	Volatile Organic Compounds
WQARF	Water Quality Assurance Revolving Fund

1.0 DECLARATION

1.1 Site Name and Location

This Record of Decision (ROD) is for the Park Euclid Water Quality Assurance Revolving Fund (WQARF) Registry Site (Site) located in Pima County, Tucson, Arizona (Figure 1). The Site is located in a mixed commercial and residential area located between 8th Street to the north, 14th Street to the south, Mountain Avenue to the east, and Euclid Avenue to the west in Tucson. The Site includes the Mission Plant source area and the stratigraphic zones that encompass the soil and groundwater currently impacted with volatile organic compounds (VOCs). The Mission Plant source area is the facility located at 301 South Park Avenue in Tucson currently owned and operated by Mission Linen. Prior to February 1983, this facility was owned and operated by Haskell Linen Supply. The stratigraphic zones include the Upper Vadose Zone (UVZ), the Perched Aquifer (PA), the Lower Vadose Zone (LVZ), and the Regional Aquifer (RA).

The Site was added to the WQARF registry in 1999, with an eligibility and evaluation score of 51 out of 120.

1.2 Basis and Purpose

This ROD presents the Selected Remedy for the Site, chosen in accordance with applicable requirements in Title 18, Chapter 16 of the Arizona Administrative Code (A.A.C.). The process for selecting the remedy complied with Arizona Revised Statute (A.R.S.) §49-287.04. The Arizona Department of Environmental Quality (ADEQ), as the lead agency, has reviewed the remedy and determined that Site completion criteria used to evaluate the selected remedial action for Contaminants of Concern (COCs) in groundwater and soil at the Site and Remedial Objectives (ROs) will be satisfied. This ROD describes the basis for the Selected Remedy and addresses all elements of A.A.C. R18-16-410 under the WQARF Program. The decision in this ROD is based upon previous activities and investigations conducted and performed for this Site that are documented and located in ADEQ's Administrative Record file. The State of Arizona, acting by and through ADEQ, has selected the remedy detailed in this document.

1.3 Site Assessment

Tetrachloroethene (PCE) is the primary COC at the Site. Other COCs at the Site include trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), trans-1,2-dichloroethene (tDCE), and vinyl chloride (VC). PCE, TCE, cDCE, tDCE, and VC have been detected in the soil, soil vapor, and groundwater at the Site at concentrations above regulatory levels (i.e., soil remediation levels [SRLs], groundwater protection levels [GPLs], and Aquifer Water Quality Standards [AWQS]). Releases of the COCs to the environment originated from the former dry cleaning operations at the Mission Plant (Figure 1).

Other contaminants observed and/or detected at the Site include diesel product (also known as light non-aqueous phase liquid [LNAPL]) and gasoline range organics. These compounds are unrelated to the dry cleaning activities at the Mission Plant and originated from an unknown off-Site source. In addition, the nearby Park Broadway Preliminary Investigation Site is a source of contamination unrelated to the contamination associated with the Mission Plant (Figure 1).

This ROD only addresses the remedial action proposed for removing the contamination associated with the releases of the COCs to the environment that originated from the former dry cleaning operations at the Mission Plant.

Several Early Response Actions (ERAs) have been implemented at the Site. These included:

- The removal of approximately 21 tons of PCE-containing waste from the Haskell Linen Supply.
- The abandonment to two production wells at the Mission Plant that were conduits for contamination to migrate vertically from the UVZ to the LVZ and RA.
- The installation and operation of a soil vapor extraction system (SVE) within the UVZ at the Mission Plant. The SVE system removed a total of 7,982 pounds of VOCs. The SVE system operated from 1999 to 2006.
- The installation and operation of a multi-phase extraction system (MPE). The MPE removed approximately 3,700 pounds of VOCs and approximately 6,500 gallons of LNAPL. The MPE system operated from 2003 to 2014.
- A leaky sanitary sewer line located beneath the Mission Plant was replaced because it appeared to be a potential source of contamination from residual PCE remaining in the line from past miscellaneous spills that had entered the floor drains of the Mission Plant.
- The installation and operation of a SVE system within the LVZ at the Mission Plant. As of April 2020, the system had removed approximately 415 pounds of VOCs and approximately 21,200 pounds of total fuel volatile hydrocarbons (TFVH) (URS, 2020c). The system is currently operational.

1.4 Selected Remedy

The Selected Remedy to remediate the soil and groundwater at the Site includes the following proposed remedial technologies:

- Monitored Natural Attenuation (MNA) to verify the natural degradation of the COCs in the UVZ, PA, and RA.

- SVE to remediate the impacted soil/soil vapor at the Mission Plant source area within the LVZ.

The Selected Remedy includes the following contingency:

- Wellhead treatment for a Tucson Water, University of Arizona, or other water production well that is installed within or becomes impacted by the groundwater plume such that groundwater use from the well becomes restricted at the Site.

A detailed description of the Selected Remedy is provided in Section 3.0 of this ROD. The remedial equipment and the wells associated with the Site will be abandoned in accordance with the Proposed Remedial Action Plan (PRAP) and applicable Arizona Department of Water Resources (ADWR) requirements including A.A.C. R12-15-816 upon completion of the remedial actions. ADEQ will delist the Site from the WQARF Registry in accordance with A.R.S. §49-287.01(K) upon completion of the abandonment activities.

1.5 Statutory Determinations

In November 2011, ADEQ completed the Remedial Investigation (RI) Report (Tetra Tech, 2011) pursuant to A.R.S. §49-287.03(E) and A.A.C. 18-16-406. The RI report:

- Established the nature and extent of the contamination and the sources thereof.
- Identified current and potential impacts to public health, welfare and the environment.
- Identified current and reasonably foreseeable uses of land and waters of the state.
- Obtained and evaluated information necessary for identification and comparison of alternative remedial actions.

In October 2017, the Feasibility Study (FS) Report (URS, 2017) was completed for the Site pursuant to A.R.S. §49-287.03(F) and A.A.C. 18-16-407. The FS, based on information obtained during the RI, evaluated three remedial alternatives and recommended a remedy for the Site. The FS:

- Provided for the development of a Reference Remedy and at least two alternative remedies which were capable of achieving all of the ROs.
- Confirmed that the Reference Remedy was based upon best engineering, geological, and hydrogeological judgement.
- Provided one alternative remedy that was more aggressive than the Reference Remedy.
- Provided one alternative remedy that was less aggressive than the Reference Remedy.

In May 2020, the PRAP (URS, 2020b) was completed for the Site pursuant to A.R.S. §49-287.04 and A.A.C. 18-16-408. The PRAP presented the remedy recommended by the FS (with a modification to the remedy proposed for the RA based on new data collected at the Site after the FS was completed). The PRAP also selected the remedy and provided costs to implement the remedy. Public comments on the proposed Selected Remedy were solicited and received. The PRAP:

- Identified the boundaries of the Site.
- Summarized the results of the RI and FS.
- Proposed the Selected Remedy and its cost.
- Described how the remedial goals and selection factors were evaluated.

Pursuant to A.R.S. §49-287.04 and A.A.C. 18-16-410, this ROD is the final administrative decision as defined under A.R.S. §41-1092. This ROD presents the remedy selected in the PRAP (with modifications to the remedy proposed for the UVZ and the contingencies proposed for the UVZ and LVZ based on additional data evaluation after the PRAP was completed). The Selected Remedy meets the following criteria as stipulated in A.R.S. §49-282.06:

- Assures the protection of public health and welfare and the environment.
- To the extent practicable, provides for the control, management or cleanup of the hazardous substances in order to allow the maximum beneficial use of the waters of the state.
- Is reasonable, necessary, cost-effective, and technically feasible.

2.0 SITE BACKGROUND

2.1 Site Description

The Site is located within a commercial and residential area of Tucson (Figure 1). The boundaries of the Site subject to remedial action include the area located between 8th Street to the north, 14th Street to the south, Mountain Avenue to the east, and Euclid Avenue to the west in Tucson. The Site includes the Mission Plant source area and the stratigraphic zones that encompass the soil and groundwater currently impacted with COCs associated with the Mission Plant source area.

The Site includes the following hydrostratigraphic zones within the subsurface:

- The UVZ that consists of unsaturated soil from the surface to an average of about 90 feet below ground surface (bgs).
- The PA which is a thin saturated zone between about 90 and 100 feet bgs that sits atop a clay layer (aquitard) ranging in thickness from about 10 to 30 feet.
- The LVZ which consists of unsaturated soil located below the aquitard and extending to the top of the RA, currently located about 195 feet bgs.
- The RA which starts at a depth of about 195 feet bgs. The bottom of the RA is not defined at the Site, but the portion of the RA that has been impacted by contaminants above the AWQS extends to about 300 feet bgs.

2.2 Source of Release

The former dry cleaning area at the Mission Plant is the source of COC contamination at the Site. Releases at the Mission Plant included accidental overfills of PCE tanks and accidental spills from the dry cleaning machines. These spills likely moved through joints and cracks in the building floor to underlying soils and likely reached sewer lines through floor drains and sumps. The sewer line, owned and operated by Pima County, was later discovered to be in disrepair and leaking and was subsequently abandoned and replaced (Tetra Tech, 2011).

The PCE spills and releases moved down through the UVZ to the top of the PA and dissolved into a layer of diesel product (LNAPL) located above the PA. The source of the diesel product is unknown, but is unrelated to the Site, and is believed to originate from an off-Site petroleum release or releases. Some of the PCE within the diesel layer dissolved into the PA.

The annular spaces surrounding two former water-supply wells at the Mission Plant were conduits that allowed vertical contaminant migration (in PA water and diesel fuel) through the aquitard extending to the RA until the wells were properly abandoned in the early 1990s. Historically, the decreasing elevation of the RA water table, subsequent to contaminants migrating down these

conduits to the RA, also is interpreted to have resulted in contaminant smearing in the LVZ as the RA water table declined (URS, 2020b).

2.3 Need for Remedial Action

2.3.1 Soil/Soil Vapor

COCs are present in the soil and soil vapor within the source area at the Site at concentrations that exceed Arizona's remediation standards for soil. Soil and soil vapors (converted to soil equivalent concentrations as allowed by A.A.C. R18-7-203.C) are present in the UVZ at concentrations above the residential SRLs. A soil vapor plume is present within the LVZ that extends to the depth of groundwater and is a continuing source of groundwater contamination. Thus, remedial action is needed to remediate the impacted soil and soil vapor at the Site.

2.3.2 Groundwater

COCs including PCE, TCE, cDCE, and VC are present in the groundwater at the Site at concentrations that exceed the AWQS. The RA in the vicinity of the Site is used to supply drinking water for the City of Tucson and University of Arizona. Therefore, the aquifer must be protected and a remedial action for groundwater at the Site is required.

2.4 Chronology of Site Activities

A detailed history of the remedial investigations and ERAs conducted at the Site is presented in the RI Report, the FS Report, and the PRAP. A brief summary of the major remedial activities conducted at the Site is presented below:

1982: Initial Site investigation and removal of approximately 21 tons of PCE-containing waste from Haskell Linen Supply.

1990: PCE contamination was discovered at the Site.

1991: ADEQ conducted a Preliminary Site Investigation at the Site.

1992 to 1994: The two production wells at the Mission Plant that were conduits for contamination to migrate vertically from the UVZ to the LVZ and RA were abandoned and destroyed.

1998: The Environmental Protection Agency (EPA) conducted a Preliminary Site Assessment/Site Inspection (PASI) at the Site.

1999: The Site was placed on the WQARF Registry with a score of 51 out of a possible 120.

1999 to 2006: A SVE system was constructed and operated at the Mission Plant to remove VOC contamination within the UVZ. The SVE system removed a total of 7,982 pounds of VOCs.

2003 to 2014: A MPE system was operated at the Mission Plant to remove VOCs from the UVZ. The MPE removed approximately 1,400 pounds of VOCs and approximately 750 gallons of LNAPL.

2004: The Draft RI Report was issued in July.

2005 to 2006: The leaky sanitary sewer line located beneath the Mission Plant was replaced because it appeared to be a potential source of contamination from residual PCE remaining in the line from past miscellaneous spills that had entered the floor drains of the Mission Plant.

2011: The RI Report was finalized in November.

2013: The FS Work Plan was finalized in January.

2017: The FS Report was completed in October.

2019: A SVE system began operation at the Mission Plant to remove VOCs within the LVZ. As of April 2020, the system had removed approximately 415 pounds of VOCs and approximately 21,200 pounds of TFVH. The system is currently operating.

2020: The PRAP was completed and issued for public comment in June.

2.5 Source Area Definition

Data collected during the RI confirmed that contaminants were released into the soil and groundwater at the Site. COCs detected above regulatory levels at the Site include PCE, TCE, cDCE, tDCE, and VC. The main source of the soil and groundwater contamination at the Site is the Mission Plant. The soil and soil vapor contamination is generally confined to the Mission Plant property while the groundwater contamination extends across the Site. A summary of the contamination at the Site, by stratigraphic zone is presented below:

- **UVZ (0 to 90 feet bgs)** – VOCs currently present in the soil vapor of the UVZ include PCE, TCE, and VC at maximum concentrations of 454,476 micrograms per cubic meter (ug/m^3), 9,674 ug/m^3 , and 4,857 ug/m^3 , respectively (URS, 2020b). These concentrations exceed the EPA residential indoor air vapor intrusion screening levels (attenuated by a factor of 0.03) for PCE, TCE, and VC of 367, 16, and 5.67 ug/m^3 , respectively; however, separate Human Health Risk and Vapor Intrusion assessments conducted at the Site have concluded there is no risk to residents from soil vapor concentrations in the UVZ (URS, 2020 and URS, 2020b). The PCE soil vapor concentrations, when converted to soil equivalent concentrations as allowed by A.A.C R18-7-203.C, exceed the residential SRL of 0.51 milligram per kilogram. The TCE and VC soil vapor concentrations, when converted to soil concentrations, do not exceed the SRLs. The current lateral extent of soil vapor contamination within the UVZ is presented on Figure 2.

- **PA (90 to 100 feet bgs)** – VOCs present in the groundwater of the PA that currently exceed the AWQS include PCE, TCE, cDCE, and VC. The current lateral extent of the groundwater contamination within the PA is presented on Figures 3 to 6. It should be noted that the plume shading shown on these figures is different to indicate which plume is associated with the Park Euclid WQARF Site and which plume is associated with the Park Broadway Preliminary Investigation Site. The maximum PCE, TCE, cDCE, and VC concentrations associated with the Park Euclid WQARF Site (i.e., the Mission Plant release) are 19 micrograms per liter (ug/L), 13 ug/L, 6,900 ug/L, and 9,100 ug/L, respectively. The maximum PCE and TCE concentrations associated with the Park Broadway Preliminary Investigation Site are 155 ug/L and 46.5 ug/L, respectively.
- **LVZ (100 to 195 feet bgs)** – VOCs currently present in the soil vapor of the UVZ include PCE, TCE, and VC. These soil vapor concentrations, when converted to soil equivalent concentrations, as allowed by A.A.C R18-7-203.C, do not currently exceed any regulatory levels. However, soil vapor concentrations extend to the depth of groundwater and are a continuing source of groundwater contamination. The current extent of VOC concentrations in the soil vapor of the LVZ at the Mission Plant property is presented on Figure 7.
- **RA (195 to 300 feet bgs [depth of impacted groundwater])** – VOCs currently present in the groundwater of the RA that exceed the AWQS include PCE and TCE. The maximum PCE and TCE concentrations currently detected in the RA are 67 ug/L and 19 ug/L, respectively. The current lateral extent of the groundwater contamination within the RA is presented on Figures 8 and 9.

3.0 SELECTED REMEDY

The FS evaluated remedial alternatives for COCs in soil and groundwater at the Site (URS, 2017). The remedial alternatives were developed to meet the ROs (ADEQ, 2008). The Selected Remedy, as proposed by the PRAP (URS, 2020b), includes the following remedial technologies:

- MNA to verify the natural degradation of the COCs in the UVZ, PA, and RA.
- SVE to remediate the impacted soil/soil vapor at the Mission Plant source area within the LVZ.

The Selected Remedy includes the following contingency:

- Wellhead treatment for a Tucson Water, University of Arizona, or other water production well that is installed within or becomes impacted by the groundwater plume such that groundwater use from the well becomes restricted.

3.1 Selected Remedy Summary

MNA - UVZ

MNA is a remedial measure that involves the routine sampling and analysis to monitor the results of one or more naturally occurring physical, chemical, or biological processes that reduce the mass, toxicity, volume, or concentration of chemicals in the soil. MNA is a mechanism by which COCs are reduced by natural means without other control, removal, treatment, or soil-modifying activities. MNA is an effective and proven remedy that has been used to successfully remediate COC impacts in soil.

As previously stated, the maximum PCE soil vapor concentration within the UVZ is 454,476 ug/m³. This PCE soil vapor concentration, when converted to soil equivalent concentrations as allowed by A.A.C R18-7-203.C, exceeds the residential SRL of 0.51 mg/kg. No other VOCs detected in soil vapor of the UVZ exceed regulatory levels. Although the Mission Plant is currently a commercial facility subject to non-residential SRLs, the property could be redeveloped for residential use in the future. Thus, remedial action is required within the UVZ.

The proposed MNA for the UVZ is based on data presented in the FS (URS, 2017), PRAP (URS, 2020b), and most recent Long-Term Monitoring Report (URS, 2020c). Since 2011, the magnitude and extent of the soil vapor plume has been reduced. The average soil vapor PCE concentration within the UVZ has decreased by about 610,500 ug/m³ since 2011. This decrease is attributed to the operation of two ERAs within the UVZ between 1999 and 2014, the removal of impacted soil associated with the leaky sanitary sewer line at the Mission Plant in 2005 and 2006, and natural attenuation based on the presence of PCE degradation products (i.e., TCE, cDCE, tDCE, and VC).

MNA will be implemented for the UVZ to monitor the continuing degradation of COCs in the soil vapor in the vicinity of the Mission Plant. Natural dechlorination is occurring within the UVZ as evidenced by the presence of PCE daughter products (TCE, cDCE, tDCE, and VC). This remedial measure will involve soil vapor sampling at vapor monitoring wells located in the vicinity of the Mission Plant to verify that attenuation of COCs continues to occur within the UVZ. Initially, soil vapor samples will be collected for laboratory analysis on an annual basis at 34 wells (28 nested wells and 6 shallow monitoring probes) for a period of up to five years (Figures 10 and 11). After 5 years, the number of wells to be sampled and the sampling frequency will be evaluated and adjusted as warranted by the monitoring results. MNA of the UVZ will be conducted for a total period of up to 15 years or until the concentrations of PCE in the soil vapor remain below the residential SRL (328,460 ug/m³ or 0.51 mg/kg when converted to soil equivalent concentrations as allowed by A.A.C R18-7-203.C) for two consecutive semi-annual monitoring events.

MNA - PA

MNA is a remedial measure that involves the routine groundwater sampling and analysis to monitor the results of one or more naturally occurring physical, chemical, or biological processes that reduce the mass, toxicity, volume, or concentration of chemicals in groundwater. MNA is a mechanism by which COCs are reduced by natural means without other control, removal, treatment, or aquifer-modifying activities. MNA is an effective and proven remedy that has been used to successfully remediate COC impacts to groundwater.

The proposed MNA for the PA is based on data presented in the FS (URS, 2017), PRAP (URS, 2020b), and most recent Long-Term Monitoring Report (URS, 2020c). Decreases of PCE and TCE concentrations in groundwater samples collected within the PA have been observed since the mid-to late 2000s. The presence of cDCE, tDCE, and VC in groundwater samples collected within the PA confirm natural biodegradation via reductive dechlorination is occurring within the PA. The presence of dissolved petroleum products within the PA has created conditions that promote the reductive dechlorination of PCE at the Site. The groundwater data collected at the Site suggest reductive dechlorination will continue to occur and that MNA is an effective remedy for the PA.

MNA will be implemented to monitor the degradation of COCs in the groundwater of the PA. This remedial measure will involve groundwater monitoring and sampling at monitoring wells located at the Site to verify that attenuation continues to occur within the PA. Groundwater samples will be analyzed for COCs and parameters indicative of natural attenuation. The groundwater monitoring data will be used to evaluate plume migration, plume stability, and natural attenuation of the plume. MNA monitoring will initially be conducted at up to 34 monitoring wells on an annual basis for a period of up to five years (Figures 10 and 11). After 5 years, the number of wells to be sampled and the sampling frequency will be evaluated and adjusted as warranted by the monitoring results.

MNA of the PA will be conducted for a period of up to 30 years or until the remaining COCs in the PA no longer have the potential to impact attainment of Site ROs. One year of semi-annual

monitoring will support the conclusion of MNA activities. The duration of monitoring, frequency of monitoring, and the number of wells to be monitored will be adjusted as warranted by the monitoring results.

SVE - LVZ

SVE remediates contaminated soil by extracting soil vapors from the subsurface, treating them at the surface, and then discharging the treated vapors into the atmosphere. SVE has been demonstrated as an effective ERA at the Site and is anticipated to be an effective remedy for remediation of COC contamination within the LVZ. As previously stated, soil vapor concentrations (converted to soil equivalent concentrations as allowed by A.A.C. R18-7-203.C) within the LVZ do not currently exceed any regulatory levels. However, the soil vapor concentrations extend to the depth of groundwater and are a continuing source of groundwater contamination. Thus, SVE is needed within the LVZ.

The SVE system at the Mission Plant will continue to be operated utilizing the existing remediation infrastructure. The system includes two SVE wells completed within the LVZ. The vapors extracted from the two vapor wells will be treated using the existing catalytic oxidizer unit. The layout of the SVE system is shown on Figure 12.

The operation of the SVE system will be optimized, as necessary, to maximize the contaminant mass removal efficiency of the system. Optimization will include techniques such as focused extraction and pulsed operation. Initially, the system will be shut down each year after 10 months of operation for a period of two months to allow rebound monitoring for COCs in the soil vapor. Rebound monitoring will include the collection of soil vapor data to determine if asymptotic levels have been attained (i.e., soil vapor concentrations do not increase during the rebound period). If soil vapor concentrations do not rebound, system operation will be discontinued pending attainment of the closure criteria. If the concentrations rebound, the SVE system will be restarted for another year. This process will be repeated for up to three years. The operation of the SVE system will be optimized, as necessary, to maximize the contaminant mass removal efficiency of the system.

Soil vapor monitoring within the LVZ will include the collection of soil vapor samples from up to a total of 26 sample ports on a semi-annual basis (one round during system operation and a second round to evaluate rebound) during the SVE operational period (Figure 11). After shutdown of the SVE system, soil vapor monitoring within the LVZ will be conducted annually for a period of up to four years to further evaluate rebound.

The total duration of the SVE system operation, including post-operation monitoring, is estimated to be up to seven years. The actual duration will be based on the SVE system monitoring and performance data as well as the post-operation monitoring data.

Operation of the SVE system will be terminated based on the following criteria:

- Results of soil vapor rebound sampling indicate COC concentrations are asymptotic.
- Results of the annual soil vapor monitoring indicate COC concentrations are decreasing.
- VOC concentrations trends from samples collected from the groundwater monitoring wells at the Mission Plant are decreasing indicating there is not a continuing source of groundwater contamination.

MNA - RA

MNA is a remedial measure that involves the routine groundwater sampling and analysis to monitor the results of one or more naturally occurring physical, chemical, or biological processes that reduce the mass, toxicity, volume, or concentration of chemicals in groundwater. MNA is a mechanism by which COCs are reduced by natural means without other control, removal, treatment, or aquifer-modifying activities. MNA is an effective and proven remedy that has been used to successfully remediate COC impacts to groundwater.

The proposed MNA for the RA is based on data presented in the FS (URS, 2017), PRAP (URS, 2020b), and most recent Long-Term Monitoring Report (URS, 2020c). Since 2012, the magnitude and extent of the groundwater plume has slowly been shrinking. The average and median concentrations of PCE in samples collected from wells in the RA plume decreased from 42 to 21 ug/L and from 26 to 11 ug/L, respectively, between 2012 and 2018. Additional analyses were performed to confirm that the ROs for the Site can be met utilizing MNA including:

- A formal statistical analysis of the analytical data to confirm overall decreasing concentration trends in the RA (URS, 2019a).
- Further evaluation of geochemical parameters to confirm that aquifer conditions are such that natural biodegradation is contributing to plume attenuation (URS, 2019a).
- Additional numerical modeling of the PCE plume using 2018 conditions as the baseline to confirm that there would be no significant impacts to the University of Arizona water supply well field (URS, 2020a).

These analyses demonstrate that the PCE plume in the RA will not significantly impact the University of Arizona's water supply wells and that MNA is an effective remedy for the RA.

MNA will be implemented to monitor the degradation of COCs in the groundwater of the RA. MNA will involve groundwater monitoring and sampling at monitoring wells located at the Site to verify that attenuation continues to occur within the RA. Groundwater samples will be analyzed for COCs and parameters indicative of natural attenuation. The groundwater monitoring data will be used to evaluate plume migration, plume stability, and natural attenuation of the plume. The data will also be used to trigger appropriate contingency actions (i.e., a potential need for wellhead

treatment at an impacted water supply well) to manage risk associated with the groundwater plume migration.

The COC concentrations in groundwater are expected to be remediated to the ROs within 30 years. MNA monitoring will be conducted at up to 25 monitoring wells on a biennial basis for a period of up to 30 years (Figures 10 and 11). Every other year, when a full sampling event is not performed, samples will be collected from the four University of Arizona Monitoring (UAM) “sentinel” wells to provide early warning of any COC plume movement at the down-gradient plume extent. The remedy includes the replacement of two monitoring wells. MNA within the RA will be conducted for a period of up to 30 years or until the ROs are met. MNA will be terminated based upon the results of groundwater monitoring. One year of semi-annual monitoring with COCs remaining below the respective AWQS will support the conclusion of MNA activities. The duration of monitoring, frequency of monitoring, and the number of wells to be monitored will be adjusted as warranted by the monitoring results.

Contingency

The Selected Remedy includes one contingency to address changes in the viability of the remedy to protect human health and the environment and/or address changes in the groundwater usage at the Site. The contingency may be implemented based on Periodic Site Reviews (see Section 3.5) of the remedy and/or a groundwater use evaluation of the community involvement area. A summary of the contingency is presented below:

- **Wellhead Treatment** - Wellhead treatment will be implemented if an existing or future Tucson Water, University of Arizona, or other water purveyor production well is impacted with groundwater contamination associated with the Site and its use is restricted due to COCs present in the water supplied from the well. The system will be designed and constructed when COCs meet or exceed the AWQS and when use of the well is restricted due to COCs present in the water supplied from the well. Wellhead treatment will consist of liquid phase granular activated carbon (LGAC) treatment. The cost of installing wellhead treatment at a production well is well specific and would be variable depending on the well location, well production rate, and the timing of bringing the well online. This contingency assumes that one production well with a production rate of 500 gallons per minute (gpm) will need wellhead treatment for a period of up to 10 years.

3.2 Achievement of Remedial Objectives and Remedial Action Criteria

In accordance with A.A.C. R18-16-406(I), ADEQ prepared the Remedial Objectives Report (ADEQ, 2008) that established ROs for the current and reasonably foreseeable uses of land and waters of the State of Arizona that have been or are threatened to be affected by a release of a hazardous substance. In accordance with A.A.C. R18-16-407, the ROs were evaluated in the FS Report and, according to A.A.C. R18-16-408 and A.R.S. §49-287.04, considered in development of the remedial action alternatives presented in the PRAP Report.

The RO for land use (i.e., soil) at the Site is “to restore soil conditions to the remediation standards for non-residential use specified in AAC R18-7-203 (specifically background remediation standards prescribed in R18-7-204, predetermined remediation standards prescribed by R18-7-205, or site-specific remediation standards prescribed by R18-7-206 that are applicable to the hazardous substances identified (tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE) and trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride).” The soil at the Site currently contains COCs at concentrations which do not meet the RO. The Selected Remedy of MNA for the UVZ and continued operation of the SVE system for the LVZ at the Site will reduce the concentrations of the COCs so they meet the RO for soil.

The RO for groundwater at the Site is “to protect for the use of the groundwater supply by the University of Arizona near the Park Euclid WQARF site from contamination from the site. This action is needed for the present time and for as long as the UA wells are used for potable purposes, the resource remains available, and their use is threatened as a result of contamination from the Park Euclid WQARF site. This action is also needed to protect potential future use of the groundwater supply for the City of Tucson, which is not expected within the next five to ten years.” The groundwater at the Site currently contain COCs at concentrations which do not meet the RO. The Selected Remedy of MNA will reduce the concentrations of the COCs so they meet the RO for groundwater.

The surface water use portion of the Land and Water Use Report (ADEQ, 2004) indicated no surface water usage within the Site. Accordingly, a surface water RO for the Site is not applicable.

Based on these determinations, the Selected Remedy demonstrates:

- The ability to achieve the ROs with regard to both land use and groundwater use;
- Consistency with plans of affected water providers and the general land use plans of the local government(s); and
- Compatibility with regard to practicability, cost, risk, and benefit.

3.3 Compliance with Arizona Administrative Code and Arizona Revised Statutes

In 1999, the Site was placed on the WQARF Registry by ADEQ with a score of 51 out of a possible 120. In 2011, ADEQ issued the RI Report (Tetra Tech, 2011) for public comment to meet the requirements under A.A.C. R18-16-404(C)(1)(b) and A.A.C. R18-16-406(F). The report documented the results of the field investigation activities that were conducted between 1982 and 2011. Solicitation for ROs to be included in the RO Report was conducted during the Community Advisory Board (CAB) meeting process per A.A.C. R18-16-406(I). Based on the solicitation, Land and Water Use Study, and water management plans of providers, a Draft RO Report was prepared and submitted for public comment prior to finalizing the RI Report. The RO Report (ADEQ, 2008) was finalized in April 2008 and included as an appendix to the RI Report.

A FS Work Plan (URS, 2013) was prepared for ADEQ in January 2013 and a public notice was issued in accordance with the requirements outlined in A.A.C. R18-16-404(C)(1)(d). A FS Report (URS, 2017) was prepared documenting the development and evaluation of alternatives for remediation of the Site and providing a recommendation of a final remedy capable of achieving the ROs developed for the Site.

A PRAP (URS, 2020b) was prepared based on the work executed under the FS Work Plan and contained in the FS Report. The PRAP documented the results of the FS and evaluated the selected remedy. SVE and MNA were selected as the remedy for the Site. Based on a comparison with alternative remedies, the Selected Remedy:

- Adequately assures the protection of public health, welfare, and the environment.
- To the extent practicable, provides for the control, management and cleanup of COC contamination, maximizing beneficial use of the groundwater; and
- Is reasonable, necessary, cost-effective, and technically feasible.

The Selected Remedy is consistent with A.R.S. §49-282.06 as it provides protection to the public and the environment by providing control of hazardous substances with contingencies.

3.4 Community Involvement and Public Comment Requirements

A CAB was formed that met on a regular basis to discuss the issues and status of investigation and cleanup activities conducted at the Site. These meetings were open to the public. The most recent CAB meeting was held on September 2, 2020. A Community Involvement Plan (CIP) (ADEQ, 2019) was also developed and regularly updated for the Site. The specific public participation activities that have been completed for the Site are presented in Table 1.

3.5 Schedule and Periodic Reviews

The schedule for implementing the Selected Remedy will be dictated by the WQARF program priorities and available funding after the ROD has been executed and entered into the Administrative Record. MNA will be conducted within the UVZ until the COCs in the soil of the UVZ are no longer above residential SRLs. SVE of the LVZ, including post-operation monitoring, is scheduled to be conducted for up to seven years. SVE and post-operation monitoring of the LVZ will be conducted until the COCs in the soil no longer a threat to groundwater. MNA of the PA and RA will be conducted until the COCs are no longer present above their respective AWQS or the Director determines that the conditions of A.R.S. §49-282.06(D) have been met. Based on current data trends, ADEQ estimates remediation at the Site will be needed for up to 15 years for soil and up to 30 years for groundwater.

The Selected Remedy includes a contingency for wellhead treatment for an existing or future Tucson Water, University of Arizona, or other water purveyor production well that is impacted with groundwater contamination associated with the Site and its use is restricted due to COCs present in the water supplied by the well.

During implementation of the Selected Remedy, Periodic Site Reviews will be performed at a minimum of every five years to determine the viability of the remedy. Upon completion of remedial actions, all remedial equipment and wells associated with the Site will be abandoned in accordance with the PRAP and applicable ADWR requirements as promulgated in A.A.C. R12-15-816. After completion of the above actions, ADEQ will delist the Site in accordance with A.R.S. §49-287.01(K).

Table 1 - Community Involvement Activities

Community Involvement Activity	Regulatory Citation/Rule	Date
Establish Community Involvement Area	A.R.S. §49-289.02(A)	Dec 1999
Notice of the Site listing on the Registry	A.R.S. §49-287.01 A.R.S. §49-289.03(A)	April 1999
Hazardous substance contamination notice and fact sheet	A.R.S. §49-289.02(B) A.R.S. §49-287.03(B) A.A.C. R18-16-404(C)(1)(i)	May 2004
Notice of RI scope of work, fact sheet, and outline of CIP	A.R.S. §49-287.03(B) A.R.S. §49-287.03(C) A.A.C. R18-16-403(F) A.A.C. R18-16-403(G)	May 2004
Establish CAB selection committee	A.R.S. §49-289.03(D)	Sept 1999
Establish CAB	A.R.S. §49-289.03(C) A.R.S. §49-289.03(F)(1)	Mar 2000
Prepare and update CIP	A.R.S. §49-287.03(D) A.R.S. §49-289.03(C) A.A.C. R18-16-403(E) A.A.C. R18-16-404(C)	Initial in 2000, Updates in 2004, 2014, and 2019
Land and Water Use Study Questionnaires mailed	A.A.C. R18-16-404(C)(1)(a)	Jan 2004
Notice of opportunity to comment on Draft RI Report	A.A.C. R18-16-404(C)(1)(b) A.A.C. R18-16-406(F)	July 2004
Public notice for solicitation of ROs	A.A.C. R18-16-404(C)(1)(b) A.A.C. R18-16-406(I)(2)	July 2004
Notice of opportunity to comment on Proposed RO Report	A.A.C. R18-16-404(C)(1)(c) A.A.C. R18-16-406(I)(5)	June 2006
Public meeting(s) to discuss proposed/revised RO Report (if needed)	A.A.C. R18-16-406(I)(5)	Sept 2004
Notice of availability of Final RI and RO Reports	A.A.C. R18-16-406(J)	RI = Nov 2011 RO = April 2008
Notice of availability of the FS Work Plan	A.A.C. R18-16-404(C)(1)(d)	May 2013
Notice of availability of the FS Report	Not Required	Oct 2017
Issue notice of availability and opportunity to comment on the PRAP. Four comment letters were received.	A.R.S. §49-287.04(B) A.A.C. R18-16-404(C)(1)(e) A.A.C. R18-16-408(C)(1)	June 2020
Notice of ROD & Responsiveness Summary Availability	A.R.S. §49-287.04 (G) A.A.C. R18-16-404(C)(1)(f)	TBD

4.0 RESPONSIVENESS SUMMARY

In accordance with A.A.C. R18-16-410(B)(2) and A.R.S. §49-287.04(F), a comprehensive responsiveness summary was prepared to identify and respond to all comments received on the PRAP at the conclusion of the public comment period. The 90-day public comment period for the PRAP ran from June 29, 2020 through September 23, 2020. The 90-day comment period was extended through October 30, 2020. A copy of the comment letters and the ADEQ response to the comments is presented in Appendix A.

5.0 COST

As required in A.A.C. R18-16-410(C), this section presents the costs (excluding non-recoverable costs) previously incurred by ADEQ during Site characterization and implementation of the ERAs and presents the costs of the Selected Remedy.

5.1 Historic Costs

The Site was placed on the WQARF Registry in 1999 due to the discovery of soil and groundwater contamination at the Site. Investigation and remediation of the Site began in 1982 and will continue as the Selected Remedy is implemented. ERAs were conducted at the Site starting in 1982 and were instrumental in reducing contaminant concentrations and risk of exposure. Significant costs have been incurred during characterization of the Site and implementation of the ERAs. These activities to date have a total cost of \$12,291,803.80. The total cost includes the sum of the costs incurred by the State of Arizona (\$3,497,593.59) and the costs incurred by the Park Euclid Working Group that were approved by ADEQ in accordance with A.A.C. R18-16-413 and A.A.C. R18-16-409(H) (\$8,794,210.21). A summary of the Park Euclid Working Group costs is presented in Appendix B.

5.2 Future Costs

The estimated life cycle costs for implementing the Selected Remedy at the Site are summarized in Table 2. The estimated cost for the contingency is summarized in Table 3. The detailed costs of the remedy and contingency are presented in Appendix C.

Table 2 – Selected Remedy Cost Summary

Year	Description	Cost
1	SVE & Monitoring at LVZ (26 Wells), & MNA at UVZ (34 Wells), PA (34 Wells), & RA (25 Wells)	\$341,400
2	SVE & Monitoring at LVZ (26 Wells) & MNA at UVZ (34 Wells), PA (34 Wells), & RA (4 Wells)	\$324,790
3	SVE & Monitoring at LVZ (26 Wells) & MNA at UVZ (34 Wells), PA (34 Wells), & RA (25 Wells)	\$341,400
4	Monitoring at LVZ (26 Wells) & MNA at UVZ (34 Wells), PA (34 Wells), & RA (4 Wells)	\$125,850
5	Monitoring at LVZ (26 Wells); MNA at UVZ (34 Wells), PA (34 Wells), & RA (25 Wells); & Periodic Review	\$173,980
6	Monitoring at LVZ (26 Wells) & MNA at RA (4 Wells)	\$49,510
7	Monitoring at LVZ (26 Wells) & SVE System Abandonment at LVZ & MNA at UVZ (25 Wells), PA (20 Wells), & RA (25 Wells)	\$324,520
8	MNA at RA (4 Wells)	\$8,410
9	MNA at UVZ (25 Wells), PA (20 Wells) & RA (25 Wells)	\$100,800
10	MNA at & RA (4 Wells), Replacement Well Installation (RA), & Periodic Review	\$265,120
11	MNA at UVZ (25 Wells), PA (20 Wells), & RA (25 Wells)	\$100,800
12	MNA at RA (4 Wells)	\$8,410
13	MNA at UVZ (25 Wells), PA (20 Wells), & RA (25 Wells)	\$100,800
14	MNA at RA (4 Wells)	\$8,410
15	MNA at UVZ (25 Wells), PA (20 Wells), & RA (25 Wells); & Periodic Review	\$249,950
16	MNA at RA (4 Wells)	\$7,810
17	MNA at RA (25 Wells)	\$45,940
18	MNA at RA (4 Wells)	\$7,810
19	MNA at RA (25 Wells)	\$45,940
20	MNA at PA (20 Wells) & RA (4 Wells) & Periodic Review	\$40,880
21	MNA at RA (25 Wells)	\$45,940
22	MNA at RA (4 Wells)	\$7,810
23	MNA at RA (25 Wells)	\$45,940
24	MNA at RA (4 Wells)	\$7,810
25	MNA at PA (20 Wells) & RA (25 Wells) & Periodic Review	\$79,010
26	MNA at RA (4 Wells) & Periodic Review	\$7,810
27	MNA at RA (25 Wells)	\$45,940
28	MNA at RA (4 Wells)	\$7,810
29	MNA at RA (25 Wells)	\$45,940
30	MNA at PA (20 Wells) & RA (25 Wells), Site Closure Report, & Abandon Site Monitoring Wells)	\$776,150
TOTAL SELECTED REMEDY COST		\$3,742,690

Table 3 – Contingency Cost Summary

Description	Cost
Wellhead Treatment	\$1,377,200
TOTAL CONTINGENCY COST	\$1,377,200

6.0 CONCLUSIONS

The Selected Remedy chosen for the Site consists of SVE within the Mission Plant source area for the LVZ, and MNA for the UVZ, PA, and RA. A contingency of wellhead treatment for a new or existing Tucson Water, University of Arizona, or other water purveyor well if the proposed use of the well is restricted due to COCs present in the groundwater supplied from the well. The Selected Remedy of SVE and MNA will be conducted for a period of up to 30 years as specified herein or until the ROs for soil and groundwater have been met. At such time, remedial and monitoring activities will cease and all equipment (i.e., SVE wells, monitoring wells, etc.) associated with the Site investigation and remediation will be abandoned in accordance with the PRAP and ADWR requirements as stated in A.A.C. R12-15-816. At such time there will be no need to protect human health and the environment and the Site will be delisted as stated in A.R.S. §49-287.01 (K). At any time prior to completion of the Selected Remedy, a portion of the Site may be issued a no further action (NFA) in accordance with A.R.S. §49-287.01 (F) & (G).

7.0 REFERENCES

Arizona Department of Environmental Quality (ADEQ), 2004. Land and Water Use Report, Park-Euclid WQARF Site, Tucson, Arizona. May 18.

ADEQ, 2008. Remedial Objectives Report, Park-Euclid Water Quality Assurance Revolving Fund Site, Tucson, Arizona. April 15.

ADEQ, 2019. Community Involvement Plan, Park-Euclid Water Quality Assurance Revolving Fund Site, Tucson, Arizona. April 15.

Tetra Tech, 2011. Final Remedial Investigation Report, Park-Euclid WQARF Site, Tucson, Arizona. November 15.

URS Corporation (URS), 2013. Work Plan, Feasibility Study and Associated Activities, Park-Euclid WQARF Site, Tucson, Arizona. January 7.

URS, 2017. Final Feasibility Study Report, Park-Euclid WQARF Site, Tucson, Arizona. October 18.

URS, 2019. 2018 Annual Report for Long-Term Monitoring, Park-Euclid WQARF Site, Tucson, Arizona. April 26.

URS, 2019a. Technical Memorandum, Regional Aquifer Biodegradation Evaluation, Park-Euclid WQARF Site, Tucson, Arizona. August 28.

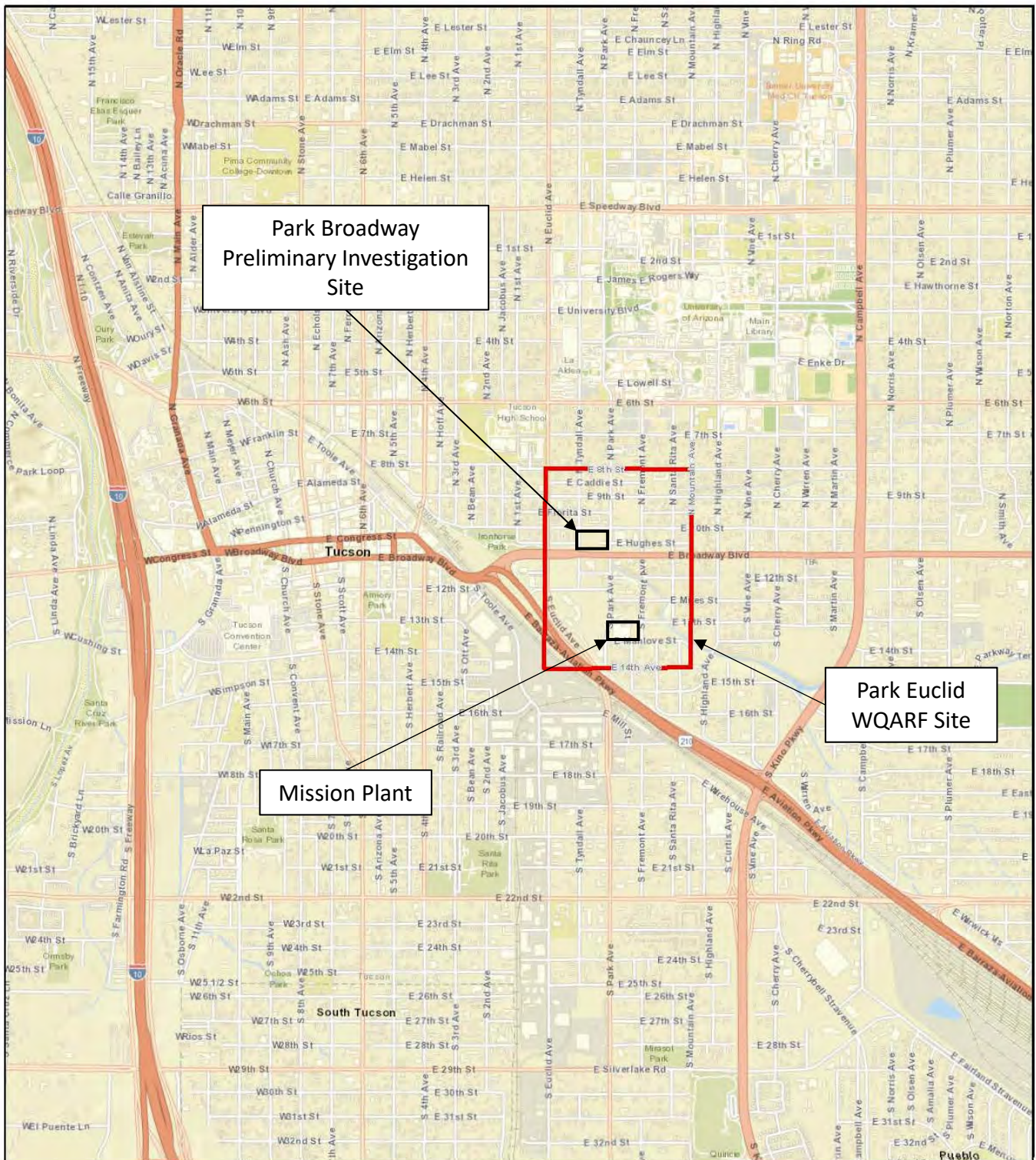
URS, 2020. Risk Assessment Update Technical Memorandum, Park-Euclid WQARF Site, Tucson, Arizona. February 24.

URS, 2020a. Technical Memorandum, Regional Aquifer Groundwater Model Update, Park-Euclid WQARF Site, Tucson, Arizona. March 5.

URS, 2020b. Proposed Remedial Action Plan, Park-Euclid WQARF Site, Tucson, Arizona. May 22.

URS, 2020c. 2020 Long-Term Groundwater Monitoring Report, Park-Euclid WQARF Site, Tucson, Arizona. August 31.

FIGURES



Data Source: Proposed Remedial
Action Plan, URS, June 2020
Base Map Source: ESRI World Street
Map

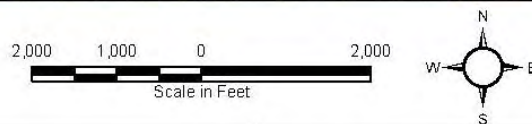
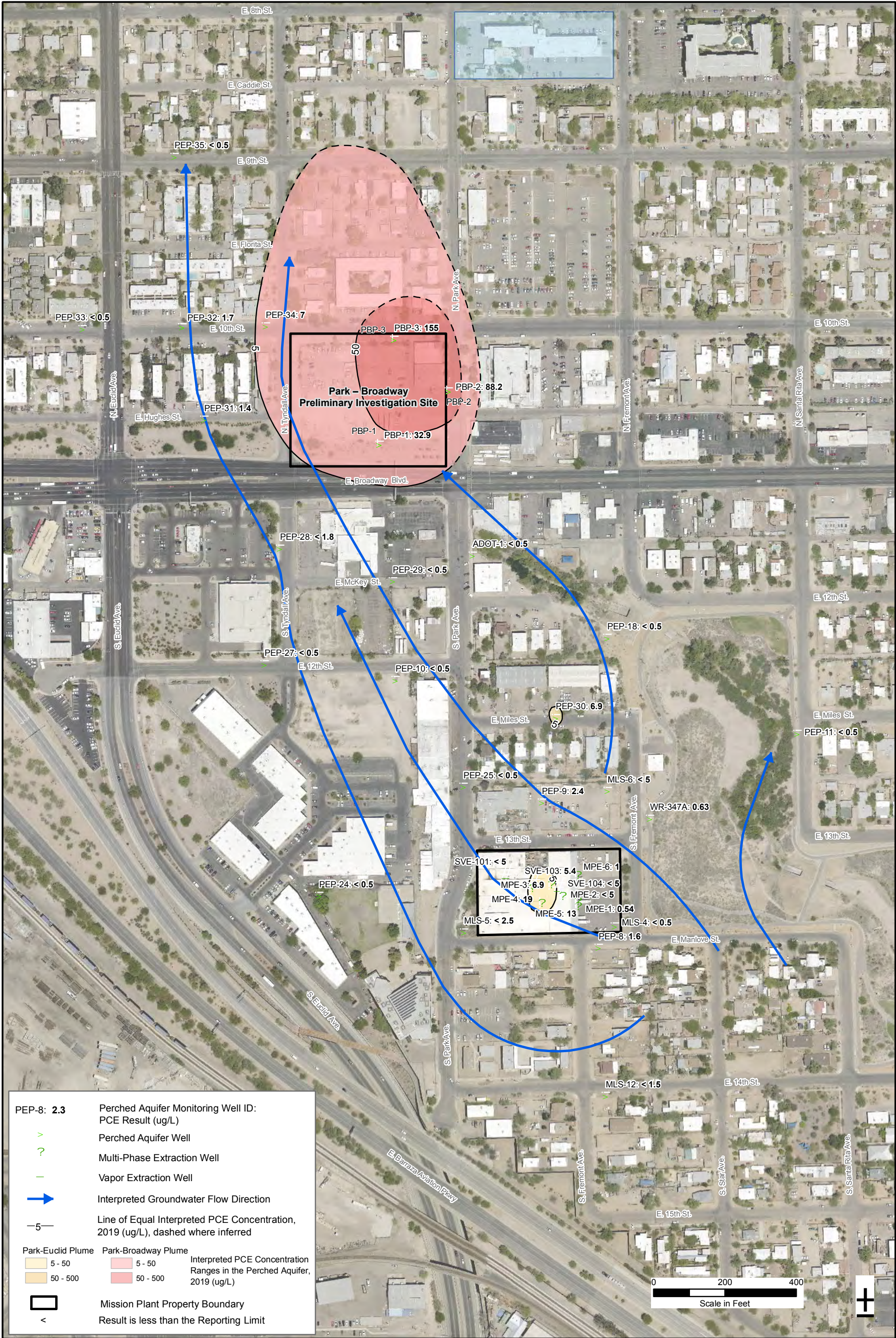


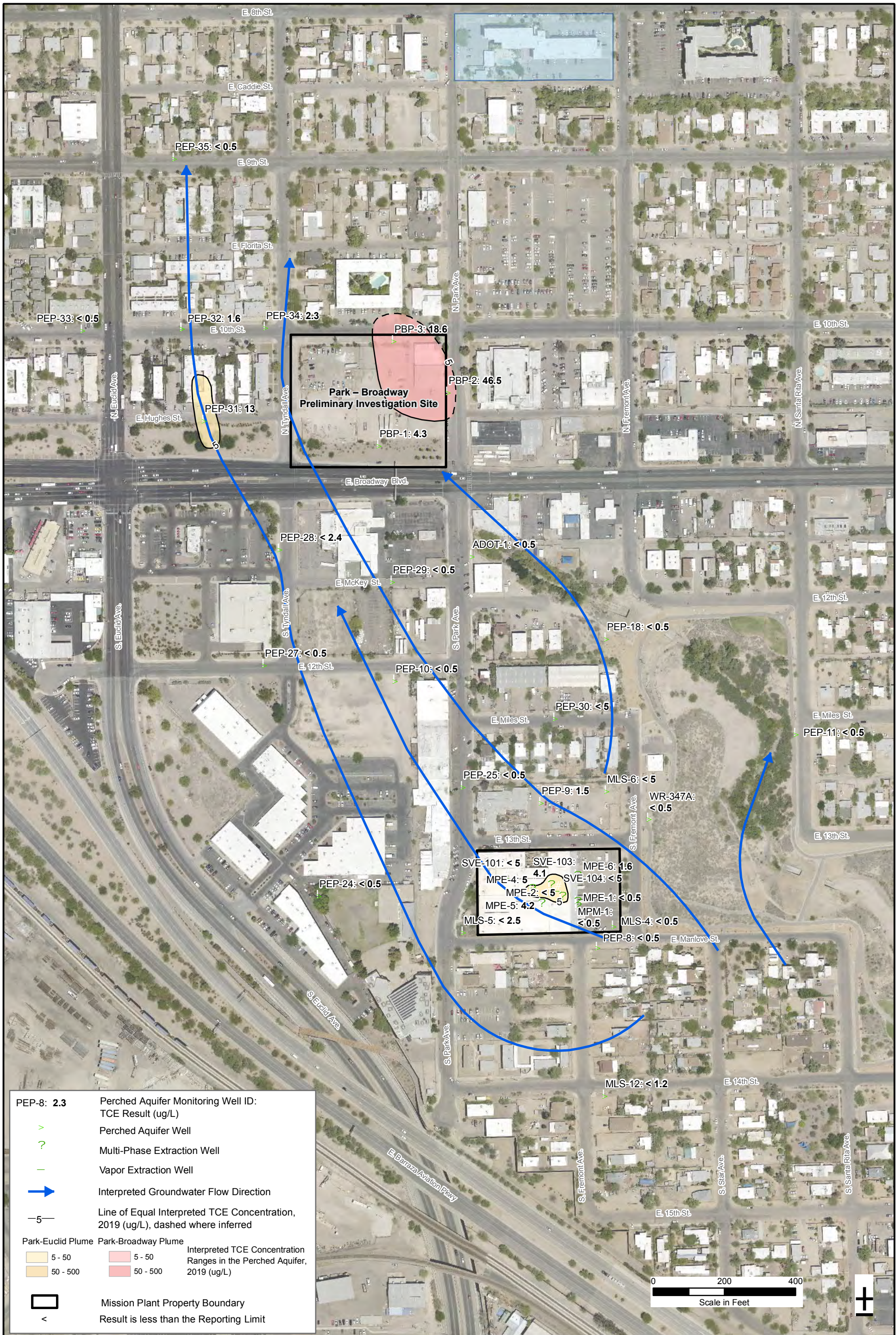
Figure 1 Site Location Map
Park Euclid WQARF Site
Tucson, Arizona



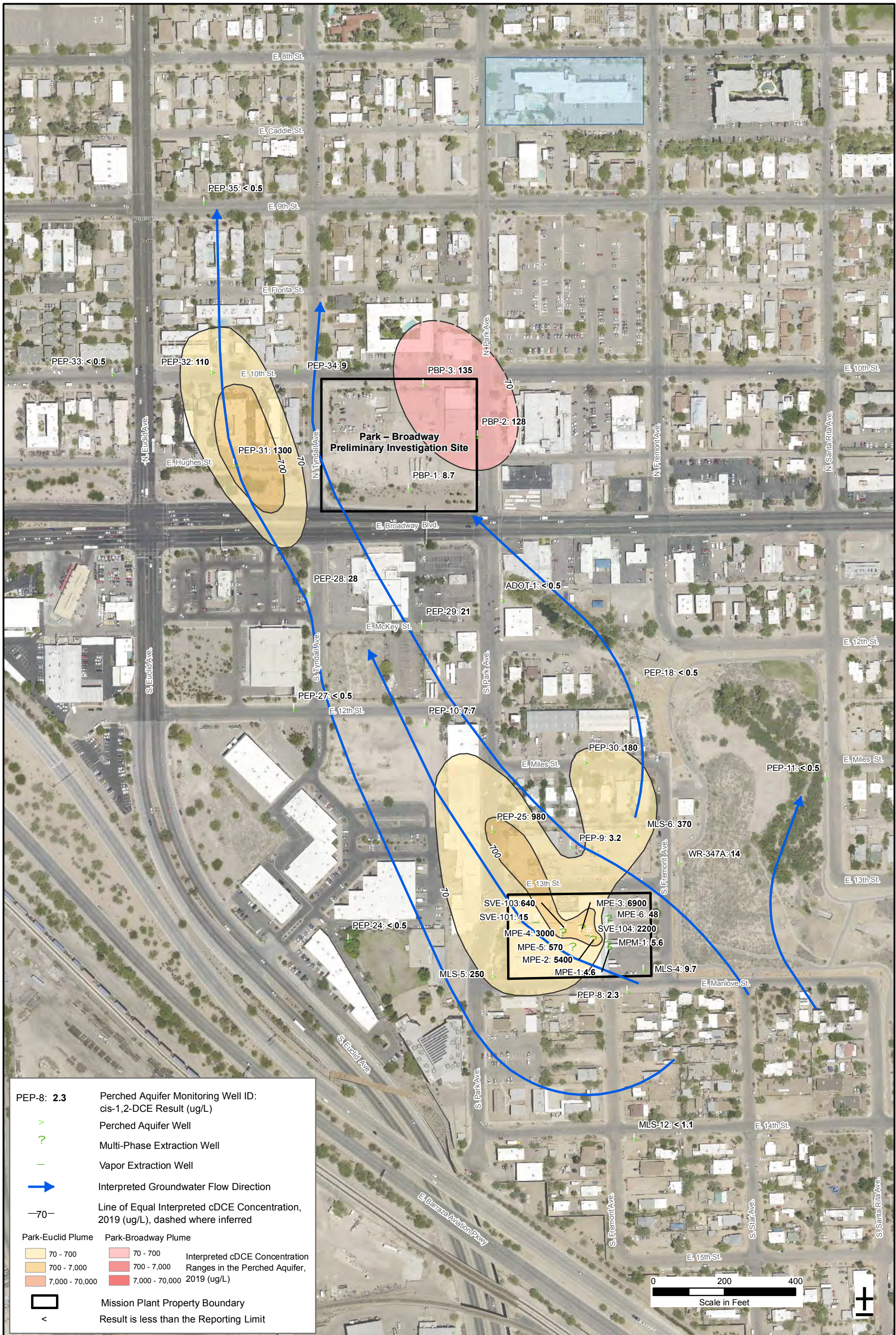
Figure 2
Extent of Soil Vapor Contamination in Upper Vadose Zone
Park Euclid WQARF Site



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Note:
The AWQS for VC is 2 ug/L.

Aerial Imagery Source: Pima County, 2016

URS

Project Name: Park-Euclid WQARF Site

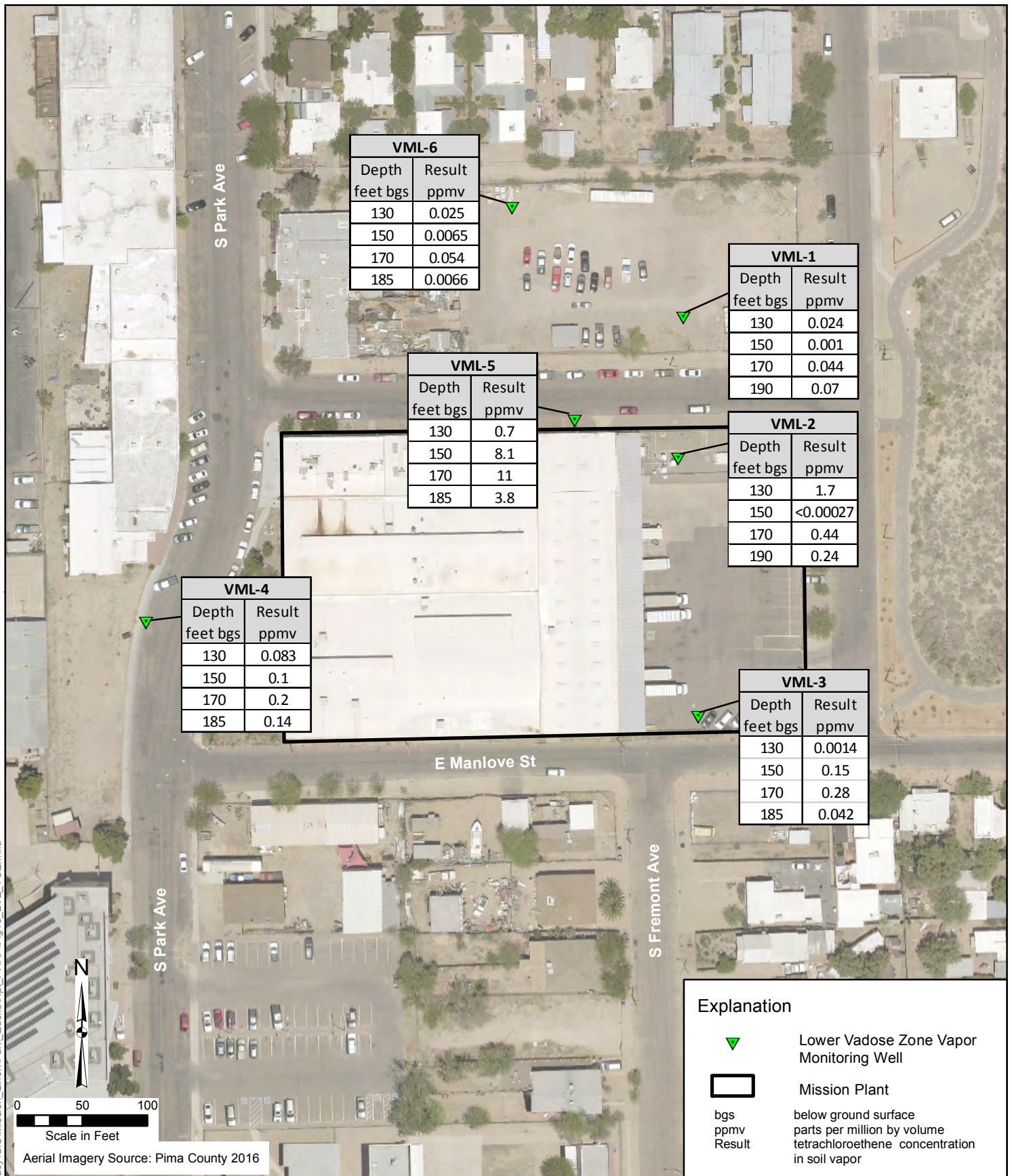
Job No: 60560366

Date: May 2020

VC DISTRIBUTION IN PERCHED AQUIFER
2019 ANNUAL GROUNDWATER MONITORING
PARK-EUCLID WQARF SITE
TUCSON, ARIZONA

Figure 6

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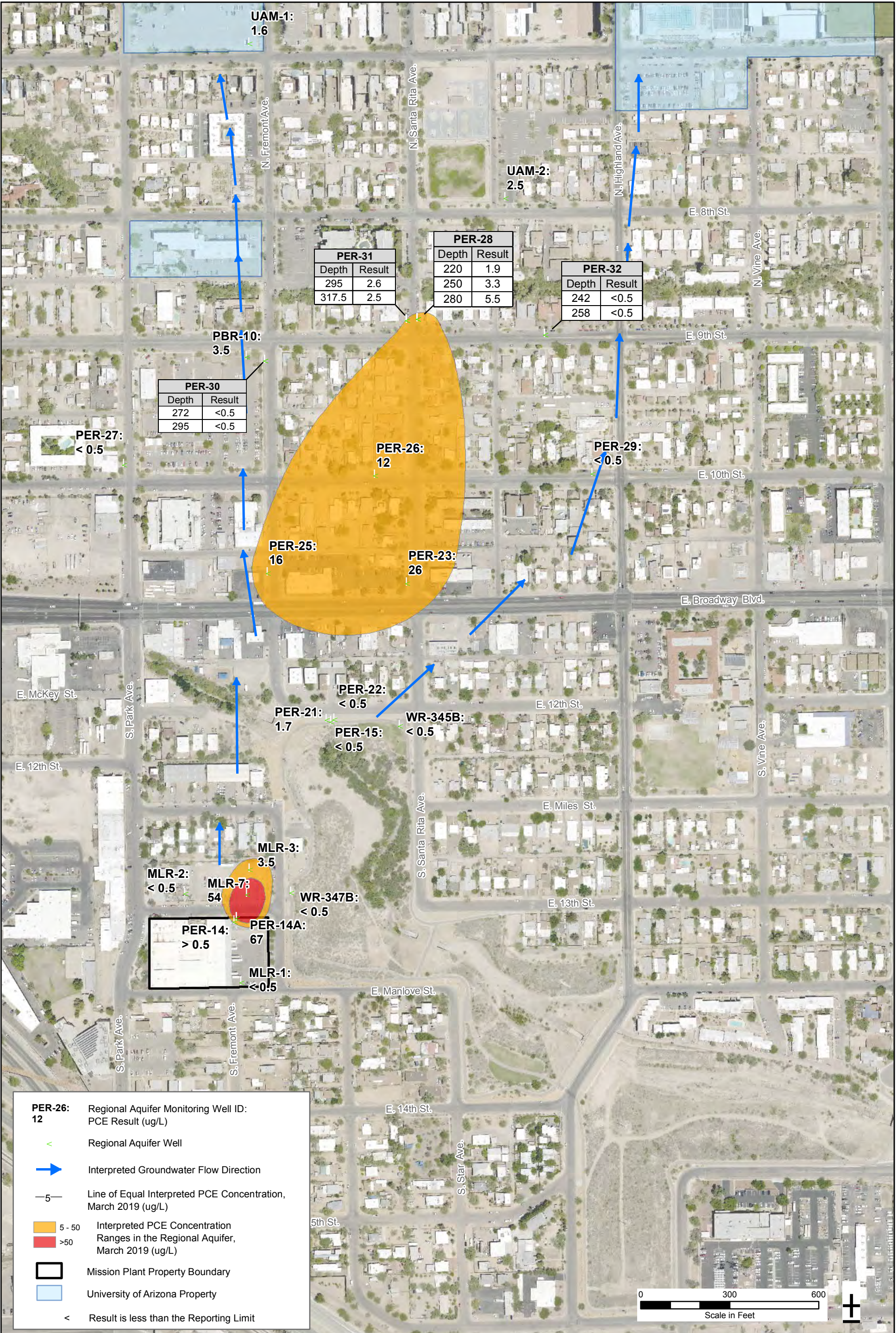
PCE DISTRIBUTION IN LOWER VADOSE ZONE
MAY 2019
PARK-EUCLID WQARF SITE
TUCSON, ARIZONA

Project Name: Park-Euclid WQARF Site

Job No: 60560366

Date: May 2020

Figure 7



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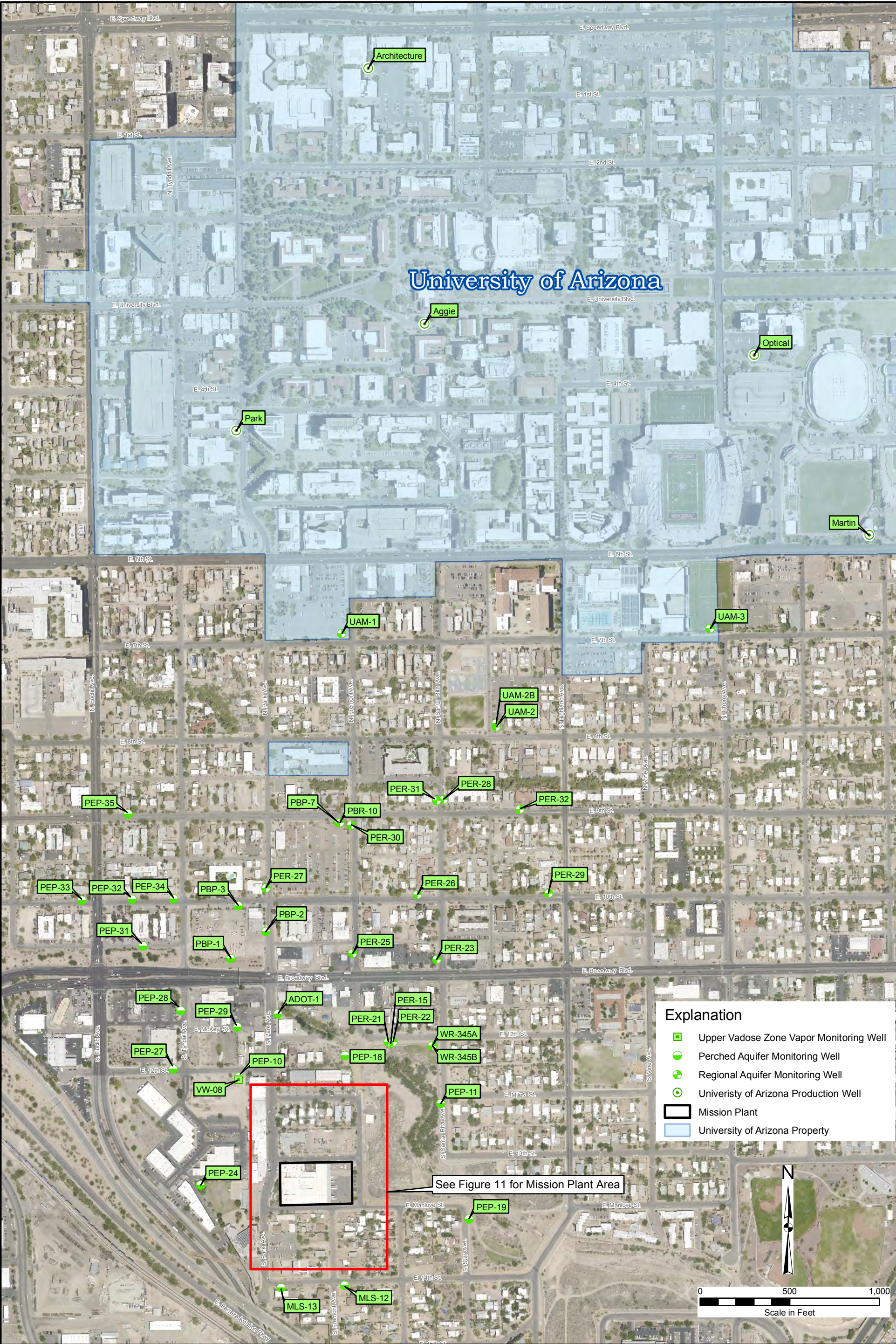
Project Name: Park-Euclid WQARF Site

Job No: 60560366

Date: May 2020

PCE DISTRIBUTION IN REGIONAL AQUIFER
2019 ANNUAL GROUNDWATER MONITORING
PARK EUCLID WQARF SITE
TUCSON, ARIZONA

Figure 8



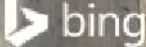
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Explanation

- > Perched Aquifer Well
- < Regional Aquifer Well
- ? Multi-Phase Extraction Well
- J Upper Vadose Zone Vapor Extraction Well
- U Upper Vadose Zone Vapor Monitoring Well
- Lower Vadose Zone Vapor Monitoring Well
- Former Production Well

Mission Plant



Notes:

Source: Bing Maps aerial imagery web mapping service,
(c) 2010 Microsoft Corporation and its data suppliers.

URS

Project Name: Park-Euclid WQARF Site

Job No: 60560366

Date: May 2020

MISSION PLANT AREA WELL LOCATIONS
PARK-EUCLID WQARF SITE
TUCSON, ARIZONA

Figure 11

URS

**SVE LAYOUT
PARK-EUCLID
WQARF SITE
TUCSON,
ARIZONA**

FIGURE 12

FIGURE MODIFIED FROM
SHEET C-1 OF THE
LOWER VADOSE ZONE
SOIL VAPOR
EXTRACTION
CONSTRUCTION
COMPLETION REPORT
PREPARED BY URS AND
DATED JULY 26, 2019

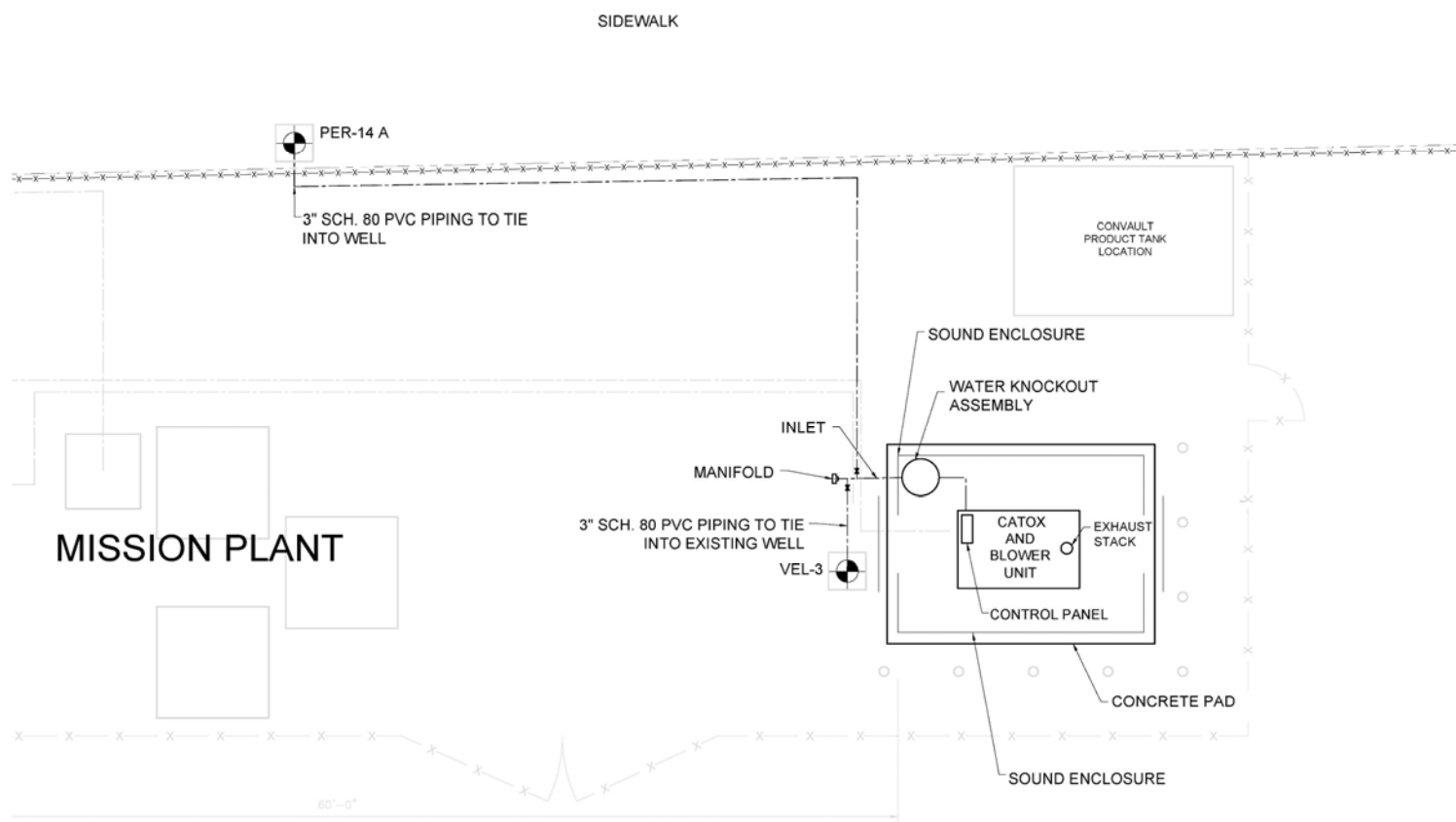


FIGURE NOT TO SCALE



APPENDIX A

RESPONSIVENESS SUMMARY

PROPOSED REMEDIAL ACTION PLAN COMMENTS

RESPONSIVENESS SUMMARY

In accordance with Arizona Administrative Code (A.A.C.) R18-16-410(B)(2) and Arizona Revised Statute (A.R.S.) §49-287.04(F), the Arizona Department of Environmental Quality (ADEQ) has prepared this responsiveness summary in response to all the comments received on the Proposed Remedial Action Plan (PRAP) for the Park Euclid WQARF Site. The 90-day public comment period for the PRAP ran from June 29, 2020 through September 23, 2020. The 90-day comment period was extended through October 30, 2020.

Comment letters and/or emails were received from the following:

1. Jacky Turchick in an email dated September 8, 2020. A copy of the email is provided in Attachment 1.
2. The Barrio San Antonio Neighborhood Association Executive Board in an email dated September 25, 2020. A copy of the email is provided in Attachment 1.
3. Mr. Jonathan Salvatierra in three emails submitted to ADEQ between September 22 and September 28, 2020. A copy of these comments and the subsequent response to these comments is provided in Attachment 2 of this Appendix.
4. Tucson Water in a letter dated October 30, 2020. A copy of the letter is provided in Attachment 1.

The comments are presented below with ADEQ responses.

Written Comments from Jacky Turchick

Jacky Turchick Wrote:

I am grateful that to some fair measure at least one more of the many environmental catastrophes of the last century is being mitigated. We do not yet know if we will survive the sum total of the disastrous use of resources that almost all of us, myself included have been part of. So, thank you to everyone who has worked with good-will to build, put in, operation (sic), monitor and pay for the systems for remediating the Park Euclid site. I support the proposed remediation action plan and even more aggressive remedies if technologies make them feasible in the future.

I believe a formal system to continue community involvement until the completion of the remediation is important. This should include the invitation of neighborhood associations, businesses, and impacted residences to regularly scheduled updates, perhaps yearly for the first 5 years and then every other year. Thank you to everyone on the CAB and working for and with the CAB for years of attentive effort. I hope we have done our job.

ADEQ Response:

Thank you for your comment. ADEQ will continue to provide project updates on the status of the remedial actions conducted at the Park Euclid WQARF Site at future Stone and Grant/7th Street and Arizona/Park-Euclid CAB meetings. These public meetings are typically held on an annual basis.

Written Comments from The Barrio San Antonio Neighborhood Association Executive Board

The Barrio San Antonio Neighborhood Association Executive Board Wrote:

Public comment on the ADEQ Remedial Action Plan for the Park Euclid WQARF Site at Mission Linen ends on September 30th. Please consider our submission:

The San Antonio Neighborhood Association Executive Committee supports the proposed remediation action plan with the following recommendation:

We feel it beneficial that the plan includes periodic reviews to assess the development of technologies making more aggressive remedies feasible. We don't want to give up on the possibility that remediation might someday bring the current contaminated plumes back to residential standards for water quality.

A formal system to continue community involvement until the completion of the remediation should require the invitation of neighborhood associations, businesses, impacted homeowners, stakeholders and even elected officials or their representatives.

These regularly scheduled updates and check-ins should be yearly for the first 5 years and then every other year. And recorded and posted online.

ADEQ Response:

Thank for you comment. Periodic reviews to evaluate the effectiveness of the remedy will conducted a minimum of every five years. ADEQ will continue to provide project updates on the status of the remedial actions conducted at the Park Euclid WQARF Site at future Stone and Grant/7th Street and Arizona/Park-Euclid CAB meetings. These public meetings are typically held on an annual basis.

Written Comments from Tucson Water

General Comment #1

Tucson Water Wrote:

Monitored Natural Attenuation (MNA): As part of the remedy for the upper vadose zone (UVZ), perched aquifer (PA), and regional aquifer (RA), the PRAP proposes monitored natural attenuation (MNA). Tucson Water agrees that MNA can be an effective remedy to meet remedial objectives (RO) if the plume size is stable or decreasing. However, data provided at the September 2nd, 2020 Citizens Advisory Board (CAB) meeting indicated contaminant concentrations have increased in multiple wells in both the PA and RA since the PRAP was written. Tucson Water will have more confidence in the proposed remedy if the remedial objective for the RA and contingency for the lower vadose zone (LVZ) included numeric standards instead of time frames to trigger the contingencies into effect.

ADEQ Response:

Comment noted. The purpose of the proposed remedy is to remediate the contamination at the Park Euclid WQARF Site until the concentrations in the impacted soil and groundwater are below regulatory standards.

General Comment #2

Tucson Water Wrote:

Lower Vadose Zone: Section 6.1.3 describes the remedial action for the Lower Vadose Zone (LVZ) as MNA and operation of the existing soil vapor extraction (SVE) system. The Proposed Remedy for the LVZ includes operating the SVE for up to three years on a two month annual operating cycle using SVE wells PER-14A and VEL-3. Tucson Water requests future documents provide a figure with both the SVE wells and the monitoring network together to provide clarity in understanding the distribution and concentrations of contaminants of concern (COCs).

Previously, the system was shut-down for a three year period (2015-2018) which resulted in high tetrachloroethene (PCE) vapor concentration rebound with a maximum of 380 parts per million per volume (ppmv) reported. The value is above the groundwater protection level of 221 ppmv. As shown on Figure 15, the May 2019 tetrachloroethene (PCE) concentrations decreased significantly after operating the SVE system for one month following the three-year rebound period. We believe that operating the SVE system annually, per the selected remedy, would provide less efficient mass removal. The statement "*if concentrations do not exceed the vapor equivalent GPL, the system operation may be discontinued*", is a concern because this operating strategy could result in a system shutdown before sufficient rebound time is provided. According to monitoring results, rebound has historically been slow in the LVZ; therefore, Tucson Water suggests operating the SVE system on the two-month cycle every other year or every three years to provide sufficient rebound time and produce higher mass removal rates. The operation of the SVE system is an important remedial measure, since COCs in the LVZ could act as continual source of PCE to the regional aquifer. According to data presented at the Community Advisory Board (CAB) meeting, concentrations of COCs in the RA are currently increasing.

ADEQ Response:

Comment noted. The proposed remedy for the lower vadose zone includes operating the SVE system continuously for 10 months followed by two months of non-operation to evaluate the rebound of soil vapors in the lower vadose. The SVE will be operated in this manner for up to three years.

General Comment #3

Tucson Water Wrote:

Groundwater - Perched Aquifer: Section 3.42 of the PRAP describes the nature and extent of contamination of the perched aquifer, and explains that PCE contamination in the PA is unrelated to the Park & Euclid WQARF Site, is considered to be sourced from the Park-Broadway Preliminary Investigation Site. Since PCE is from another source a remedy for perched PCE is not

included in the PRAP. Based on the extent of PCE impacts in the PA, Tucson Water would like to request updates related to any early response remedial actions proposed for the Park-Broadway Site.

Section 6.1.2 describes the selected remedy MNA for the PA which is based on PCE in the perched zone has effectively degraded to cis-1,2-dichloroethene (1,2-DCE) and vinyl chloride. Figures provided at the CAB meeting, showed that the contaminant levels increased in perched groundwater from 2019 to 2020. Figure 11 of the PRAP, compared to the figure *Current Conditions-Perched Aquifer (cDCE)* presented at the CAB meeting, indicates that concentrations in several wells increased as the plume migrated NW in the perched groundwater. Concentrations of cis,1-2-dichloroethene at well PEP--10 increased from 7.7 micrograms per liter (µg/L) to 240 µg/L, which is above the PA water quality standard of 70 µg/L. The detached downgradient plume to the northwest also observed increasing cis-1,2-DCE concentrations during this same time period. Perched well PEP-31 1,2-DCE concentrations increased from 1,300 µg/L to 1,700 µg/L. Although the PA is not a source for drinking water, PA groundwater could migrate to the RA through conduits like improperly abandoned wells. The PRAP does not propose a contingency and it is unclear from the PRAP when the plume will be considered unstable and active remedial measures implemented.

ADEQ Response:

Comment noted. The increase in the concentrations of cis-1,2-dichloroethene and the presence of vinyl chloride in the groundwater samples collected from wells completed within the perched aquifer confirm that reductive dechlorination is occurring in the perched aquifer, thus validating the proposed remedy of monitored natural attenuation. Further, the proposed remedy includes a contingency for wellhead treatment if an area water production well becomes impacted with contamination associated with the Park Euclid WQARF Site.

General Comment #4

Tucson Water Wrote:

Groundwater - Regional Aquifer: The remedial objectives for the RA are to protect the groundwater supply, but the PRAP has no requirements to meet numeric standards or specific steps to restore groundwater resources. The remedial action SVE in the LVZ has demonstrated that future risk to the RA can be minimized if the SVE system is working effectively. However, 2020 data provided during the September 2020 CAB meeting showed increasing PCE concentrations in northern RA wells compared to 2019. Concentrations of PCE increased in the northern well PER-28 (lower screened interval) from 5.5 µg/L to 17 µg/L, while concentrations of PCE in center of the plume upgradient from PER-28 decreased from 2019 to 2020, suggesting that the center of the PCE plume has migrated north. The PRAP states that two additional monitor wells will be installed downgradient from the current plume but does not provide a proposed location. Tucson Water believes that sentinel wells installed downgradient from RA monitor well PER-28 and northwest of monitor well PER-31 will effectively monitor for migration of PCE. The general groundwater flow direction of this area is both to the northwest and to the northeast, depending on pumping operation of nearby wells. Sentinel well placement should be based on the direction of groundwater

flow to identify contaminant migration for the protection of the University of Arizona and other nearby water supply wells.

ADEQ Response:

Comment noted. Sentinel wells UAM-1, UAM-2, and UAM-2B are located down-gradient of PER-28 and PER-31 as shown on Figure 18 of the Proposed Remedial Action Plan and Figure 17 of the 2020 Long-Term Monitoring Report.

General Comment #5

Tucson Water Wrote:

Groundwater - Wellhead Treatment Contingency: Tucson Water has no plans to take additional treated water into our potable or reclaimed system and does not agree with any contingency that includes delivery of treated water into our system.

ADEQ Response:

Comment noted.

Specific Comment #1

Tucson Water Wrote:

Section 3.5 Remedial Objectives: The statement: *“To protect for the use of the groundwater supply by the University of Arizona near the Park-Euclid WQARF site from contamination from the site. This action is needed for the present time and for as long as the UA wells are used for potable purposes, the resource remains available, and their use is threatened as a result of contamination from the Park-Euclid WQARF site. This action is also needed to protect potential future use of the groundwater supply for the City of Tucson, which is not expected within the next five to ten years.”*

Comment: Monitored natural attenuation (MNA) as a remedy consists of long-term monitoring with no active remediation component. A time-frame of 30 years is predicted for achieving remedial objectives for the regional aquifer which is much longer than the potential time (5 to 10 years) to develop groundwater supply in this area of the regional aquifer. The clean-up time frame is of concern for Tucson Water since there are no plans to take additional treated water into our potable system.

ADEQ Response:

Comment noted.

Specific Comment #2

Tucson Water Wrote:

Section 3.5 Remedial Objectives: The statement: *“The second RO pertains to protecting the RA groundwater supply for the University of Arizona and City of Tucson but does not require that numeric standards be met in groundwater or that contaminant mass be destroyed. Because the*

second RO pertains to RA water quality, the RO relates to the PA only with regards to whether PA contamination would inhibit achieving the ROs for soil remediation and/or RA water quality.”

Comment: To protect for the use of water implies that water extracted should meet standards for potential use. The wording of the last sentence is confusing and Tucson Water would like more emphasis on protecting the regional aquifer. Requiring numeric standards and specifying the destruction of the COC mass is a clear, evidence-based approach to ensuring regional aquifer protection.

ADEQ Response:

Comment noted. The purpose of the proposed remedy is to remediate the contamination at the Park Euclid WQARF Site until the concentrations in the impacted groundwater are below regulatory standards.

Specific Comment #3

Tucson Water Wrote:

Section 6.1.2 Proposed Remedial Action- Perched Aquifer: The statement: “PA monitoring will be performed for up to 30 years. For the first 5 years, 34 PA wells will be monitored annually for COCs, and 6 PA monitoring wells will be analyzed for dissolved gasses (i.e., methane, ethene, and ethane by Method RSK-175) to assess whether complete reductive dechlorination is occurring from VC to ethene. After 5 years, the monitoring network for COCs will be refined from 34 to 20 wells and for dissolved gasses from 6 to 4 wells. From years 5 to 15, sampling will be performed on a biennial frequency, and from years 15 to 30, the sampling frequency will be every 5 years.”

Comment: Tucson Water is not confident that the ADEQ has demonstrated a decrease in the cis-1,2-DCE in the perched aquifer. The proposed remedy does not offer a clear mechanism to attenuate or eliminate the COC at the site and there are no contingencies in place to deal with a possible migration of the COC. At the September 2nd, 2020 Citizens Advisory Board (CAB) meeting, ADEQ presented data showing increasing COC concentrations in the perched aquifer. When compared with Figure 11 in the PRAP, the plume appears to be migrating NW with the groundwater flow direction. Thus, there is evidence the plume is not stable and can pose a threat to residential properties downgradient of the WQARF site.

ADEQ Response:

Comment noted. The increase in the concentrations of cis-1,2-dichloroethene in the groundwater samples collected from wells completed within the perched aquifer confirms that reductive dechlorination is occurring in the perched aquifer, thus validating the proposed remedy of monitored natural attenuation. As the process of reductive dechlorination continues, the cis-1,2-dichloroethene concentrations will eventually degrade to below groundwater sample detection limits. The risk to residential properties is very low because: (1) vapor intrusion is not a concern due to the depth (greater than 50 feet) of the contamination within the perched aquifer; and (2) the proposed remedy includes a contingency for wellhead treatment if a residential or area water

production well becomes impacted with contamination associated with the Park Euclid WQARF Site.

Specific Comment #4

Tucson Water Wrote:

Section 6.1 Remedy Description: Comment: Section 6.1 describes how the remedies for each zone will be implemented and monitored. These are great summaries and they would be more effective at depicting the proposed remedy by referencing the MNA network for each zone on figures. The same can be said about the proposed contingencies subsection.

ADEQ Response:

Comment noted.

Specific Comment #5

Tucson Water Wrote:

Section 6.1.5 Proposed Contingencies: The statement: *“Wellhead treatment may be implemented if produced water from an existing or future Tucson Water, University of Arizona, or other potable production well is impacted with groundwater contamination associated with the Site. Wellhead treatment would consist of granular activated carbon treatment at a production well if COC concentrations in water extracted from the well exceed the AWQS for a Site COC.”*

Comment: While wellhead treatment may be an effective method of containment and treatment of the plume, Tucson Water has no plans to accept treated water into our distribution system. The proposed contingency for the regional aquifer falls short of assuring Tucson Water that potential threats to the aquifer will be addressed before the COC impacts our wells.

ADEQ Response:

Comment noted. The contingency for wellhead treatment applies to all area production wells, including those not owned and operated by Tucson Water, such as the production wells operated by the University of Arizona. Arizona Revised Statute §49-282.06 requires that the selected remedy be reasonable, necessary, cost-effective, and technically feasible. Currently, wellhead treatment is the most reasonable, cost-effective, and technically feasible solution for an impacted water production well. Further, ADEQ is not aware of any Tucson Water production wells that potentially could become impacted by contamination associated with the Park Euclid WQARF Site.

Specific Comment #6

Tucson Water Wrote:

7.3 Consistency with Water Management Plans: The statement: *“This remedy will allow for beneficial use of the waters of the State, protect the groundwater supply for future use, and limit migration of the plume into unaffected areas.”*

Comment: MNA as a remedy is estimated to take up to 30 years to meet the remedial objectives, Tucson Water is concerned that during this time frame the plume has the potential to migrate into unaffected areas and impact future beneficial use.

ADEQ Response:

Comment noted. The groundwater data show the groundwater plume within the Regional Aquifer (the aquifer used for groundwater supply in the vicinity of the Park Euclid WQARF Site) is stable with a limited potential for migration. The details regarding plume stability and mobility are presented in the following reports: (1) *Regional Aquifer Biodegradation Evaluation* prepared by URS and dated August 28, 2019; and (2) *Regional Aquifer Groundwater Model Update* prepared by URS and dated March 5, 2020.

Specific Comment #7

Tucson Water Wrote:

Figure 3: The symbols in the legend do not match the symbols on the map. Please review and correct.

ADEQ Response:

Comment noted.

Specific Comment #8

Tucson Water Wrote:

Figure 4: The cross section presented on this figure does not have a reference map. Tucson Water would like to see the transect line that denotes the cross-section included in Figure 2 or another appropriate figure.

ADEQ Response:

Figure 4 presents the Contamination Migration Conceptual Site Model for the Park Euclid WQARF Site. It was not intended to be a cross section for the Park Euclid WQARF Site.

Specific Comment #9

Tucson Water Wrote:

Figure 6: The label for “Monitoring Well ID” shows “PCE Results (ppmv)”. This is a TCE distribution figure. The label should be renamed for the TCE results.

ADEQ Response:

Comment noted.

Specific Comment #10

Tucson Water Wrote:

Figure 15: The proposed remedy for the lower vadose zone is the operation of the existing soil vapor extraction (SVE) system periodically. The PRAP does not include any maps with the SVE system and monitor well network together. Please consider including SVE wells PER-14A and VEL-3 on Figure 15 in the PRAP. This will help identify where the SVE is located relative to the vapor monitor wells.

ADEQ Response:

Comment noted.

Specific Comment #11

Tucson Water Wrote:

Figure 2 shows the site groundwater monitoring wells. The general groundwater flow direction of this area is NW. There is a possibility that some of the COC's will bypass the U of A and move past Park Avenue. Tucson Water recommends a monitoring well be installed on the general groundwater flow path west of Park Avenue and parallel to the UofA Park production well to monitor COC migration past well PEP-35. BAS-PEP-35 is a perched aquifer well and is located downgradient of the defined plume extent at PEP-32.

ADEQ Response:

Water production wells located in the vicinity of the Park Euclid WQARF Site are completed within the Regional Aquifer. Figure 18 of the PRAP demonstrates the following: (1) The groundwater flow direction of the Regional Aquifer is toward the north-northeast; (2) The vertical and lateral extent of the groundwater contamination has been delineated to the AWQS within the Regional Aquifer; and (3) The current monitoring well network within the Regional Aquifer is sufficient for monitoring the mobility of the groundwater plume within the Regional Aquifer. In summary, additional monitoring wells to monitor the groundwater plume within the Regional Aquifer are not necessary.

Specific Comment #12

Tucson Water Wrote:

Figure 18: The Mission Plant Property Boundary shown on the legend is missing from the map.

ADEQ Response:

Comment noted.

ATTACHMENT 1

Comment Letters



Thomas Titus <titus.thomas@azdeq.gov>

Fwd:corrected park-euclid comment

1 message

seedling@theriver.com <seedling@theriver.com>
To: titus.thomas@azdeq.gov

Tue, Sep 8, 2020 at 9:17 AM

Hi I noticed this morning that I had left one word out of my comment. Here is the corrected version. I hope it is not too late to change this. Thanks.
Jacky

I am grateful that to some fair measure at least one more of the many environmental catastrophes of the last century is being mitigated. We do not yet know if we will survive the sum total of the disastrous use of resources that almost all of us, myself included have been part of. So, thank you to everyone who has worked with good-will to build, put in, operate, monitor and pay for the systems for remediating the Park Euclid site. I support the proposed remediation action plan and even more aggressive remedies if technologies make them feasible in the future.

I believe a formal system to continue community involvement until the completion of the remediation is important. This should include the invitation of neighborhood associations, businesses, and impacted residences to regularly scheduled updates, perhaps yearly for the first 5 years and then every other year. Thank you to everyone on the CAB and working for and with the CAB for years of attentive effort. I hope we have done our job.

Jacky Turchick

----- Forwarded message -----

From: <seedling@theriver.com>
To: <titus.thomas@azdeq.gov>
Cc:
Bcc:
Date: Mon, 7 Sep 2020 22:51:18 -0700
Subject: park-euclid comment

Park-Euclid comment

I am grateful that to some fair measure at least one of the many environmental catastrophes of the last century is being mitigated. We do not yet know if we will survive the sum total of the disastrous use of resources that almost all of us, myself included have been part of. So, thank you to everyone who has worked with good-will to build, put in, operate, monitor and pay for the systems for remediating the Park Euclid site. I support the proposed remediation action plan and even more aggressive remedies if technologies make them feasible in the future.

I believe a formal system to continue community involvement until the completion of the remediation is important. This should include the invitation of neighborhood associations, businesses, and impacted residences to regularly scheduled updates, perhaps yearly for the first 5 years and then every other year. Thank you to everyone on the CAB and working for and with the CAB for years of attentive effort. I hope we have done our job.

Jacky Turchick

 **park-euclid comment**
2K



Thomas Titus <titus.thomas@azdeq.gov>

Park Euclid WQARF Site RO

1 message

Ted Warmbrand <its@theriver.com>
To: titus.thomas@azdeq.gov
Cc: ward5@tucsonaz.gov, district2@pima.gov

Fri, Sep 25, 2020 at 12:13 PM

To whom it concerns:

Public comment on the ADEQ Remedial Action Plan for the Park Euclid WQARF Site at Mission Linen ends on September 30th. Please consider our submission:

The San Antonio Neighborhood Association Executive Committee supports the proposed remediation action plan with the following recommendation:

We feel it beneficial that the plan includes periodic reviews to assess the development of technologies making more aggressive remedies feasible. We don't want to give up on the possibility that remediation might someday bring the current contaminated plumes back to residential standards for water quality.

A formal system to continue community involvement until the completion of the remediation should require the invitation of neighborhood associations, businesses, impacted homeowners, stakeholders and even elected officials or their representatives.

These regularly scheduled updates and check-ins should be yearly for the first 5 years and then every other year. And recorded and posted online.

Signed,

Barrio San Antonio Neighborhood Association Executive Board,

Grady Bautista , president
Paul Horwath, vice president
Ted Warmbrand, secretary
Emily Areinoff, treasurer

October 30, 2020

Mr. Thomas Titus
Waste Programs Division
Arizona Department of Environmental Quality
400 W. Congress St. #433
Tucson, AZ 85710

Subject: Comments on the Proposed Remedial Action Plan (PRAP), Park-Euclid Water Quality Assurance Revolving Fund (WQARF) Site, Tucson, Arizona.

Dear Mr. Titus:

The City of Tucson/ Tucson Water appreciates the opportunity to review and provide comment on the Proposed Remedial Action Plan (PRAP) for Park-Euclid WQARF Site dated May 22, 2020. Below are Tucson Water's comments. We understand that the preferred remedy is monitored natural attenuation with soil vapor extraction operated as needed to prevent further regional aquifer groundwater contamination from the lower vadose zone and wellhead treatment to treat contamination of active groundwater supply wells.

Monitored Natural Attenuation (MNA):

As part of the remedy for the upper vadose zone (UVZ), perched aquifer (PA), and regional aquifer (RA), the PRAP proposes monitored natural attenuation (MNA). Tucson Water agrees that MNA can be an effective remedy to meet remedial objectives (RO) if the plume size is stable or decreasing. However, data provided at the September 2nd, 2020 Citizens Advisory Board (CAB) meeting indicated contaminant concentrations have increased in multiple wells in both the PA and RA since the PRAP was written. Tucson Water will have more confidence in the proposed remedy if the remedial objective for the RA and contingency for the lower vadose zone (LVZ) included numeric standards instead of time frames to trigger the contingencies into effect.

Lower Vadose Zone:

Section 6.1.3 describes the remedial action for the Lower Vadose Zone (LVZ) as MNA and operation of the existing soil vapor extraction (SVE) system. The Proposed Remedy for the LVZ includes operating the SVE for up to three years on a two month annual operating cycle using SVE wells PER-14A and VEL-3. Tucson Water requests future documents provide a figure with both the SVE wells and the monitoring network together to provide clarity in understanding the distribution and concentrations of contaminants of concern (COCs).

Previously, the system was shut-down for a three year period (2015-2018) which resulted in high tetrachloroethene (PCE) vapor concentration rebound with a maximum of 380 parts per million per volume (ppmv) reported. The value is above the groundwater protection level of 221 ppmv. As shown on Figure 15, the May 2019 tetrachloroethene (PCE) concentrations decreased significantly after operating the SVE system for one month following the three year rebound period. We believe that operating the SVE system annually, per the selected remedy, would provide less efficient mass removal. The statement “*if concentrations do not exceed the vapor equivalent GPL, the system operation may be discontinued*”, is a concern because this operating strategy could result in a system shutdown before sufficient rebound time is provided. According to monitoring results, rebound has historically been slow in the LVZ; therefore, Tucson Water suggests operating the SVE system on the two month cycle every other year or every three years to provide sufficient rebound time and produce higher mass removal rates. The operation of the SVE system is an important remedial measure, since COCs in the LVZ could act as continual source of PCE to the regional aquifer. According to data presented at the Community Advisory Board (CAB) meeting, concentrations of COCs in the RA are currently increasing.

Groundwater

Perched Aquifer

Section 3.42 of the PRAP describes the nature and extent of contamination of the perched aquifer, and explains that PCE contamination in the PA is unrelated to the Park & Euclid WQARF Site, is considered to be sourced from the Park-Broadway Preliminary Investigation Site. Since PCE is from another source a remedy for perched PCE is not included in the PRAP. Based on the extent of PCE impacts in the PA, Tucson Water would like to request updates related to any early response remedial actions proposed for the Park-Broadway Site.

Section 6.1.2 describes the selected remedy MNA for the PA which is based on PCE in the perched zone has effectively degraded to cis-1,2-dichloroethene (1,2-DCE) and vinyl chloride. Figures provided at the CAB meeting, showed that the contaminant levels increased in perched groundwater from 2019 to 2020. Figure 11 of the PRAP, compared to the figure *Current Conditions-Perched Aquifer (cDCE)* presented at the CAB meeting, indicates that concentrations in several wells increased as the plume migrated NW in the perched groundwater. Concentrations of cis-1,2-dichloroethene at well PEP--10 increased from 7.7 micrograms per liter (µg/L) to 240 µg/L, which is above the PA water quality standard of 70 µg/L. The detached downgradient plume to the northwest also observed increasing cis-1,2-DCE concentrations during this same time period. Perched well PEP-31 1,2-DCE concentrations increased from 1,300 µg/L to 1,700 µg/L. Although the PA is not a source for drinking water, PA groundwater could migrate to the RA through conduits like improperly abandoned wells. The PRAP does not propose a contingency and it is unclear from the PRAP when the plume will be considered unstable and active remedial measures implemented.

Regional Aquifer

The remedial objectives for the RA are to protect the groundwater supply, but the PRAP has no requirements to meet numeric standards or specific steps to restore groundwater resources. The remedial action SVE in the LVZ has demonstrated that future risk to the RA can be minimized if the SVE system is working effectively. However, 2020 data provided during the September 2020 CAB meeting showed increasing PCE concentrations in northern RA wells compared to 2019. Concentrations of PCE increased in the northern well PER-28 (lower screened interval) from 5.5 µg/L to 17 µg/L, while concentrations of PCE in center of the plume upgradient from PER-28 decreased from 2019 to 2020, suggesting that the center of the PCE plume has migrated north. The PRAP states that two additional monitor wells will be installed downgradient from the current plume but does not provide a proposed location. Tucson Water believes that sentinel wells installed downgradient from RA monitor well PER-28 and northwest of monitor well PER-31 will effectively monitor for migration of PCE. The general groundwater flow direction of this area is both to the northwest and to the northeast, depending on pumping operation of nearby wells. Sentinel well placement should be based on the direction of groundwater flow to identify contaminant migration for the protection of the University of Arizona and other nearby water supply wells.

Wellhead Treatment Contingency

Tucson Water has no plans to take additional treated water into our potable or reclaimed system and does not agree with any contingency that includes delivery of treated water into our system.

Specific Comments:

Specific comments on the PRAP are provided on the attached table.

Should you need clarification on these comments, please contact Beth Scully at 520-837-2227, or Beth.Scully@tucsonaz.gov.

Sincerely,

Dee Korich
Chief Hydrologist
Tucson Water

CC:

Timothy Thomure, Director
Silvia Amparano, Deputy Director
John Kmiec, Deputy Director
Chris Avery, Chief Water Counsel
Molly Collins, Lead Hydrologist
Beth Scully, Lead Hydrologist

Park-Euclid PRAP Specific Comments Table

No.	Page No.	TW Specific Comments
1	3-5	<p>Section 3.5 Remedial Objectives</p> <p>The statement: <i>“To protect for the use of the groundwater supply by the University of Arizona near the Park-Euclid WQARF site from contamination from the site. This action is needed for the present time and for as long as the UA wells are used for potable purposes, the resource remains available, and their use is threatened as a result of contamination from the Park-Euclid WQARF site. This action is also needed to protect potential future use of the groundwater supply for the City of Tucson, which is not expected within the next five to ten years.”</i></p> <p><u>Comment:</u></p> <p>Monitored natural attenuation (MNA) as a remedy consists of long-term monitoring with no active remediation component. A time-frame of 30 years is predicted for achieving remedial objectives for the regional aquifer which is much longer than the potential time (5 to 10 years) to develop groundwater supply in this area of the regional aquifer. The clean-up time frame is of concern for Tucson Water since there are no plans to take additional treated water into our potable system.</p>
No.	Page No.	TW Specific Comments
2	3-6	<p>Section 3.5 Remedial Objectives</p> <p>The statement: <i>“The second RO pertains to protecting the RA groundwater supply for the University of Arizona and City of Tucson but does not require that numeric standards be met in groundwater or that contaminant mass be destroyed. Because the second RO pertains to RA water quality, the RO relates to the PA only with regards to whether PA contamination would inhibit achieving the ROs for soil remediation and/or RA water quality.”</i></p> <p><u>Comment:</u> To protect for the use of water implies that water extracted should meet standards for potential use. The wording of the last sentence is confusing and Tucson Water would like more emphasis on protecting the regional aquifer. Requiring numeric standards and specifying the destruction of the COC mass is a clear, evidence-based approach to ensuring regional aquifer protection.</p>
No.	Page No.	TW Specific Comments
3	6-1	<p>Section 6.1.2 Proposed Remedial Action- Perched Aquifer</p> <p>The statement: <i>“PA monitoring will be performed for up to 30 years. For the first 5 years, 34 PA wells will be monitored annually for COCs, and 6 PA monitoring wells will be analyzed for dissolved gasses (i.e., methane, ethene, and ethane by Method RSK-175) to assess whether complete reductive dechlorination is occurring from VC to ethene. After 5 years, the monitoring network for COCs will be refined from 34 to 20 wells and for dissolved gasses from 6 to 4 wells. From years 5 to 15, sampling will be performed on a biennial frequency, and from years 15 to 30, the sampling frequency will be every 5 years.”</i></p>

		<u>Comment:</u> Tucson Water is not confident that the ADEQ has demonstrated a decrease in the cis-1,2-DCE in the perched aquifer. The proposed remedy does not offer a clear mechanism to attenuate or eliminate the COC at the site and there are no contingencies in place to deal with a possible migration of the COC. At the September 2 nd , 2020 Citizens Advisory Board (CAB) meeting, ADEQ presented data showing increasing COC concentrations in the perched aquifer. When compared with Figure 11 in the PRAP, the plume appears to be migrating NW with the groundwater flow direction. Thus, there is evidence the plume is not stable and can pose a threat to residential properties downgradient of the WQARF site.
No.	Page No.	TW Specific Comments
4	6.1	Section 6.1 Remedy Description <u>Comment:</u> Section 6.1 describes how the remedies for each zone will be implemented and monitored. These are great summaries and they would be more effective at depicting the proposed remedy by referencing the MNA network for each zone on figures. The same can be said about the proposed contingencies subsection.
No.	Page No.	TW Specific Comments
5	6-3	Section 6.1.5 Proposed Contingencies <i>The statement: "Wellhead treatment may be implemented if produced water from an existing or future Tucson Water, University of Arizona, or other potable production well is impacted with groundwater contamination associated with the Site. Wellhead treatment would consist of granular activated carbon treatment at a production well if COC concentrations in water extracted from the well exceed the AWQS for a Site COC."</i> <u>Comment:</u> While wellhead treatment may be an effective method of containment and treatment of the plume, Tucson Water has no plans to accept treated water into our distribution system. The proposed contingency for the regional aquifer falls short of assuring Tucson Water that potential threats to the aquifer will be addressed before the COC impacts our wells.
No.	Page No.	TW Specific Comments
6	7-2	7.3 Consistency with Water Management Plans <i>The statement: "This remedy will allow for beneficial use of the waters of the State, protect the groundwater supply for future use, and limit migration of the plume into unaffected areas."</i> <u>Comment:</u> MNA as a remedy is estimated to take up to 30 years to meet the remedial objectives, Tucson Water is concerned that during this time frame the plume has the potential to migrate into unaffected areas and impact future beneficial use.
No.	Page No.	TW Specific Comments
7	Figure 3	The symbols in the legend do not match the symbols on the map. Please review and correct.
No.	Page No.	TW Specific Comments
8	Figure 4	The cross section presented on this figure does not have a reference map. Tucson Water would like to see the transect line that denotes the cross-section included in Figure 2 or another appropriate figure.

Attachment Summary of Specific Comments



No.	Page No.	TW Specific Comments
9	Figure 6	The label for “Monitoring Well ID” shows “PCE Results (ppmv)”. This is a TCE distribution figure. The label should be renamed for the TCE results.
No.	Page No.	TW Specific Comments
10	Figure 15	<u>Comment:</u> The proposed remedy for the lower vadose zone is the operation of the existing soil vapor extraction (SVE) system periodically. The PRAP does not include any maps with the SVE system and monitor well network together. Please consider including SVE wells PER-14A and VEL-3 on Figure 15 in the PRAP. This will help identify where the SVE is located relative to the vapor monitor wells.
No.	Page No.	TW Specific Comments
11	Figure 2	Figure 2 shows the site groundwater monitoring wells. The general groundwater flow direction of this area is NW. There is a possibility that some of the COC’s will bypass the U of A and move past Park Avenue. Tucson Water recommends a monitoring well be installed on the general groundwater flow path west of Park Avenue and parallel to the UofA Park production well to monitor COC migration past well PEP-35. BAS-PEP-35 is a perched aquifer well and is located downgradient of the defined plume extent at PEP-32.
No.	Page No.	TW Specific Comments
12	Figure 18	The Mission Plant Property Boundary shown on the legend is missing from the map.

Note: URS Statement from PRAP text is in italics followed by Tucson Water (TW) comment.

ATTACHMENT 2

Jonathan Salvatierra Comments and Response



Thomas Titus <titus.thomas@azdeq.gov>

Fwd: Issues related to Miles San Antonio neighborhood extended Eastern boundary plume.

1 message

Tina Lepage <lepage.tina@azdeq.gov>

Wed, Sep 23, 2020 at 4:27 PM

To: Thomas Titus <titus.thomas@azdeq.gov>

Cc: Mary McGillicuddy <mcgillicuddy.mary@azdeq.gov>, Wendy Flood <flood.wendy@azdeq.gov>

Tom -

Can you take a look at the technical questions that Jonathan is asking.

Thanks,

Tina L. LePage

Manager, Remedial Projects Section

Waste Programs Division

Ph: 520-770-3127

**azdeq.gov****Your feedback matters to ADEQ. Visit azdeq.gov/feedback**

----- Forwarded message -----

From: **Mary McGillicuddy** <mcgillicuddy.mary@azdeq.gov>

Date: Wed, Sep 23, 2020 at 11:48 AM

Subject: Fwd: Issues related to Miles San Antonio neighborhood extended Eastern boundary plume.

To: Tina Lepage <lepage.tina@azdeq.gov>

----- Forwarded message -----

From: **Jonathan Salvatierra** <jetsled54@gmail.com>

Date: Tue, Sep 22, 2020 at 5:17 PM

Subject: Issues related to Miles San Antonio neighborhood extended Eastern boundary plume.

To: Mary McGillicuddy <mcgillicuddy.mary@azdeq.gov>

Cc: <titus.thomas@azdeq.gov>, <kocer.jason@azdeq.gov>

Re: "J.P. SALVATIERRA Park Euclid Personal Public Comment", which includes a complete ADEQ 09/02/2020 meeting recording <<https://transcripts.gotomeeting.com/#/s/07ba453cd990f468f57fee03c7147b76a9097a6ab51f93e95dfc308eff8af122>> link, this entire ADEQ Park Euclid request for PRAP/RODextension/evidence (UA Cherry Ave. contaminated production Wells 55 ADWR registry number verification), & **Mission Linen ADEQ 092020 UPDATE EDITE...** (12K) full attachment Personal Public Comment document as

pertinent attachments, & evidentiary exhibits, into Public Comment Record Park Euclid PRAP/ROD.

Immediate New Extension Deadline for Mission Linen Park Euclid PRAP/ROD deadline, by new extension to December

30, 2020, Due To Deadline under Insufficient Documentation, Virtual Go-To-Meeting Lack of Full Public Functionality, Access, & Insufficient Adherence to Full Public Disclosure Under Pandemic, Lacking Requisite Precedence In Law Authority to convene.using "Virtual Go-To-Meeting" et al similar formats (case law on point).
ADEQ Community Involvement Coordinator

Mary McGillicuddy, Tim Titus, & All involved ADEQ Officials:

I am sending a copy of my TEP Utility Energy transmission routing plan to avoid our neighborhoods & commit to a route that is less congested, undeveloped, & following a utility trunk line from Ajo Road/South Campbell North to Kino Blvd. which becomes North Campbell Ave. trunk line major utility network, to provide major new service to a Banner Hospital Planned Northern substation. Because I had no followup verification of the Cleaning fluids contamination levels identifying the exact "Wells 55 Registry ID", of the "UA Cherry Ave Production Well", closed when Mission Linen plume contaminants registered contaminant levels above safe Potable Drinking Water Standards, I logically infer a more expanded Mission Linen plume extending Eastward beyond Bob Boudra's estimation of Mountain Ave. to a more logical area just West of Campbell Ave. & 15th. St. at Arroyo Chico's confluence with Railroad Wash (U.P. run-off overflow containment discharge contributory negligence), as well as the tainted UA Cherry Ave. closed production well that registered an extended plume from Mission Linen origin. Other currently undisclosed UA Water Resources staff, recall the UA Cherry Ave. well closure incident occurring at least 10-15 years ago at a location closer to Broadway than Cherry Ave UA Stadium @ 6th. St. Please review the record during that time frame & verify the exact UA Cherry Ave Production Well Closure in question by ADWR 55 Well Registry number ID, along with the full contaminant profile analysis of record for dissemination to me, & c/c full copies of same to all Mission Linen CAB members, listed contact emails for the public officials & invited guest list, ASAP within reason, to include these findings to validate or rule out this Mission Linen Eastern Plume's true extension boundary, prior to inclusion into their personal or our group public comments before the 09/30/2020 PRAP/ROD current deadline.

If this is not possible, I will consider the full public disclosure & ADEQ's evidentiary review sorely deficient & inadequate, making "ANY" determination of closure for Mission Linen Haskell Indemnity Negligent Liability Exposure ROD deadline a, "Gross Injustice to Full & Complete Public Disclosure & subsequent Public Trust".

I am therefore formally requesting that Tim Titus & all involved ADEQ officials move to further extend the Mission Linen Park Euclid WHARF Haz-Mat Superfund PRAP & ROD to December 30, 2020. This will allow more accurate data entered into the record for Public, C.O.T., Tucson Water, & Bob Boudra's revisions for our consideration prior to our individual, electorate & group integration to Public Comments.

It is my learned opinion that the Unprecedented Imposition & Use of the Virtual Go-To-Meeting Format lacks Full Public & CAB Functionality, Access, & Conveys Insufficient Adherence to Full Public Disclosure Under this Covid Pandemic, & is unestablished under Precedence In Law Requisite Authority to convene.

We as concerned Citizens, & appointed/elected/hired Public Servants, "MAY NOT" impose expeditious convenience inconsistent with "Full Public Due Process"!!!

I have been placed in charge of an informal Public neighborhood "Walk-About Tour", comment, question, advise, & prescribed full CAB member public dissemination of Mission Linen Park Euclid Hazmat Status, Prior to the current September 30, 2020 PRAP/ROD deadline. I have already engaged several public officials, legal/medical experts, & hydrology professionals to relate their expertise to comfort & inform the public on not trivializing, "the largest ADEQ WHARF Haz-Mat Superfund Site in metropolitan Tucson". Mission Linen/Haskell reps. are also welcome to respond to attest to the "sufficiency" of their current PRAP/ROD negligence liability limits proffered.

I am also providing the URL/e-mail contacts for public officials/legal /medical/ health members, previously contacted, that I am requesting receive a copy of this correspondence request & your timely answer/invitation to this informal "Walk-about gathering & tour", planned for September 28, 2020 (between 4-7p.m.) of the current Mission Linen facilities & the new proposed Arroyo Chico Riparian Habitat Volunteer Restoration Project.

What we make of this informal "Walk-About Gathering/Tour", is a testament to the diligence by all vested parties to fulfill Civic commitments, true & impartial Democratic public representation, full faith & public trust affirmation, & honoring the zeal, vision, & tenacity in honor & memory of Supreme Court Justice Ruth Bader Ginsburg.

Dutifully Submitted,

J.P. SALVATIERRA

PARK EUCLID Haz-Mat cab member/Az. RE Broker/Retired UP Railroader/Humanitarian

Please forward my Request for December 30, 2020's Immediate further deadline extension to the Park Euclid PRAP/ROD deadline, as well as the full ADEQ answer/response/invitation, to the aforementioned guest speakers, well in advance of the September 28, 2020 "Walk-About Informal Gathering".

Named Invitation Parties:

Az Leg Senator Sally Ann Gonzales <sgonzales@azleg.gov>
Az Leg Comm Aide Vicente Reyna <vreyne@azleg>
Dr. Matt Heinz <matt@HeinzforSupervisor.com>
Az Leg Kirsten Engle <kengel@azleg.gov>
Az. KLeg Domingo De Grazia <ddegrazia@azleg.gov>
Az. Leg Pamela Bowers Hannley <powershannley@azleg.gov>

11/18/2020

State of Arizona Mail - Fwd: Issues related to Miles San Antonio neighborhood extended Eastern boundary plume.

AZ. Leg Pamela Powers Hannley	<ppowers@hannley@azleg.gov>
Asst. Minority Leader Randy Friese	<rfriese@azleg.gov>
GARY L. HIX, R.G., CWD/PI	<in2wells@suddenlink.net>
Tony Davis Journalist	<tdavis@tucson.com>
Mayor Regina Romero	<Mayor.Romero@Tucsonaz.gov>

2 attachments



09202020 PUBLIC COMMENTTEP ENERGY RIGHT OF WAY CAMPBELL ROAD OPTION.docx

6K



Mission Linen ADEQ 092020 UPDATE EDITED 4 pg ALERT Public Comment neighborhood meeting flyer.docx

12K

09/20/2020

As a Native Tucsonan, Retired U.P. Railroad Conductor, & an actively licensed Az. Real Estate Broker, I am very familiar with the potentially best right of ways to direct this transfer conduit from its Southernmost origins, beginning North from Irvington Rd. & Country Club, North along the approach of "Railroad Wash", as the boundary & continuing pathway diverting Northwesterly between Pueblo Gardens Neighborhood & the U.P. Switchyard, to converge onto the original South Campbell Ave., diverting due North under the 22nd. St. Overpass, continuing North along south Campbell, & intersecting with Kino Blvd. *This route follows access & routes of unimproved & non congested right of way passage around Pima Co Health Svcs./Kino Hospital/ & Sports Park, major neighborhoods, including UP Railroad, 22nd. St. Overpass access beneath, continuing North onto Campbell's Kino Blvd. Link, as established trunk-line commercial corridor North, connecting to the "Planned UA North Substation, before continuing further North to merge with Grant Road's next projected upgrade widening following concurrently Westbound, with right of way access combined into the new Grant Road construction easement West onto I-10 & further on to the DeMoss Petrie Station final junction.*

The San Antonio & Miles neighborhoods are still questioning the Eastern boundary of Mission Linen Park Euclid Haz-Mat Superfund Plume Contamination, to & including the West side of Campbell Blvd., because of the confluence of Railroad Wash with Arroyo Chico's subsoil, & perched aquifer, at 15 th. St. & Kino Blvd., & reports of a major UA Cherry Ave. production well, that was closed, due to toxic plume contaminants, testing above potable water quality standards. Also San Antonio's Arroyo Chico wash & native habitat mesquite basins, are the focus of a community groundwater purification & riparian habitat restoration project, whose affected neighborhoods & small businesses are disinclined to allow any further destructive new right of ways that divert from a more prudent use of South Campbell to Grant Road Commercial Trunk line Utility Conduit routing preference, avoiding any & all options that cut through Arroyo Chico (Options 3,4,5, or 6). Also avoiding the Environmentally Contested areas in & surrounding the Miles & San Antonio neighborhoods, prevents environmental project interruptions, further adverse working class impacts, reliance on outdated layout models, & stabilizes these Arroyo Chico neighbors, who have already weathered 10-15 years of "Arroyo Chico Corp of Engineer Detention Basins Flood Prevention excavation, that has removed over 600 downtown properties from mandatory floodplain insurance requirements for new & existing construction.

Sincerely submitted,

J.P. Salvatierra

San Antonio neighbor/Az. Licensed R.E. Broker/Retired U.P. Railroad Conductor
Mission Linen Park Euclid WHARF Haz-Mat Superfund CAB member (17+yrs.)

*****SAN ANTONIO & MILES NEIGHBORHOOD ALERT*** 9/20/20**
NEIGHBORHOOD UPDATE ON MISSION LINEN:
PARK EUCLID WHARF HAZ-MAT SUPERFUND
NEIGHBORHOOD MEETING & WALK-ABOUT
WITH PUBLIC OFFICIALS, MISSION REPRESENTATIVES, &
SENATOR SALLY ANN GONZALES et al !!!

DATE REQUEST FROM SANA OFFICERS TO RESPOND & CRITIQUE NEW CAB DATA:
1. ASAP NEIGHBORHOOD MEETING DATE, TIME, & LOCATION, HAZ-MAT FACILITY
TOUR/WALK ABOUT, TO INVITE: ADEQ,MISSION LINEN Reps, Az Leg. Senator SALLY
ANN GONZALES, Dr. MATT HEINZ (Dem. Supervisor Pima Co. Primary Winner),
KIRSTEN ENGLE (Environmental Law UA Proff. & Lawyer), Legislators Pamela Powers
Hannley (Atty), Domingo DeGracia Atty., Randy Friese Asst. Minority Leg. Leader &
Others, requesting their public comments & advise.

Re: Why does the Mission Linen Park-Euclid WHARF Hazmat Superfund
site “Dominate In Obscurity”, as the largest Haz-Mat Superfund Water
Contamination site in metropolitan Tucson?

Dear Neighbors,

I address you as a Tucson Citizen Advisory Board member of the Park-Euclid WHARF Haz-Mat Superfund site for over 17 years, also known as Mission Linen Supply, in San Antonio neighborhood.

It is my duty to inform you of very immediate special circumstances that will seriously
undermine the extent of polluter limited liability cleanup, & the elimination of the CAB
regular continuing involvement, “PRIOR” to completion of all further modest offering
of future remediation, “without recourse”, through Current Levels of Public Oversight
on any/all major matters of disapproval, after the “Mission Linen/Haskell Insurance
Indemnity Consortium Settlement with ADEQ, to Finalize their ultimate financial liability
exposure.

Our Critical Review of Mission Linen’s Proposed “marginal final remediation offer”, mindful of Public Health & Safety concerns, as well as major unresolved subsurface, perched, & regional aquifer pollution by PCE dry cleaning partially degraded toxins. antifreeze, & major diesel contamination that will still remain in our perched & regional aquifers will go untreated, & hereafter will become the taxpayer’s forced future debt service. Mission Linen will then be relieved of the majority of heavier burden to return this contaminated ground water to its proper “Residential Potable Water Standard”, that existed prior to 1938, when Haskell Linen Supply created a Commercial/Industrial facility in our San Antonio Residential Neighborhood. Factoring a reasonable “Contributory Negligence Value” for Mission Linen, as well as another Major Current Contributing Polluter of Record, (Union Pacific), with its major perched diesel multi year underground discharge, in a contiguous boundary within a quarter mile immediately South of Mission Linen, requiring direct cooperative efforts in a newly structured Non-

Independent format Joint Remediation Venture, to more thoroughly reach our Potable Water Standard for well water under our neighborhood & the downtown area.

Neighborhood dry cleaning fluid & degraded toxin plume expansion was so great that several years ago the Univ. of Az. stopped a production well pumping groundwater for campus use, when a production well @ Cherry Ave near Broadway was closed after registering plume contaminants above potable drinking water standards. The City of Tucson has related to Bob Boudra, onsite remediation representative project manager for Mission Linen, that under the current state of onsite perched & regional aquifer contamination, they would reluctantly decline to promote new well production from the area beneath San Antonio Neighborhood for the next 30 years. This duressive result is a major economic travesty for C.O.T., Pima County, Tucson Water, & the ultimate holder of last recourse, the Tucson Property Taxpayers & Tucson Water customers, as a higher "Green Water Surcharge Fee", unless ADEQ exercises prudent yet stringent Total Project Management & Contaminant Recovery Redress, Methodology & Enforcement authority in reconciling negligent culpability with more aggressive than latent cleanup, without obstructing continued CAB oversight & authority through the entire remediation's complete restoration as clean potable groundwater. **The same Arroyo Chico wash plume area was a thriving riparian habitat less than 200 years ago.**

Now in synopsis, Mission Linen project manager Bob Boudra defends remediation limits on Mission Linen's contaminated groundwater cleanup, only to commercial water quality standards for the Proposed Remedial Action Plan (P.R.A.P.), when the original Haskell Linen Co. intentionally moved into & rezoned a heavy industry Commercial business in San Antonio's predominantly Residential Neighborhood. Because the previous & current prevailing neighborhood chemistry was so abject with major business development fragmenting our neighborhood, pleas to the Mayor & Council over 20 years ago concurred that "Redball Moving Co.", had to move out & relocate to an industrial complex, to reaffirm consensus, restricting commercial business in San Antonio neighborhood. Now a serious question regards the continued propriety of maintaining this heavy truck traffic & commercial activity in an educationally enhanced neighborhood with:

Project More High School, & an adjoining Junior High School, & Infant Day Care facility in our immediate neighborhood, not to negate the University Of Arizona Campus, that has been adversely economically impacted by the Mission Linen Park Euclid WHARF Haz-Mat Superfund site contamination plume. We must "NOW" address these serious Environmental Public Health Deficiency's correction, as part of a minimum groundwater remedial potable water quality standard "DEMAND", for our neighborhood, the entire Tucson downtown, & community, to acknowledge the importance of Public Health & Safety, meaningful Public Due Process, **a more lengthened (90 day public comment extension, to December 30, 2020, extending the Park Euclid Haz-Mat P.R.A.P. Public Comment Period, beyond the modest extension offer by ADEQ, of September 30, 2020.** This "rush", under COVID's CLOUD, to a finalized Record Of Decision, intentionally avoids meaningful extended Public discovery omitted from the last two "**Virtual** Go-to-meeting" replacement protocols, left wanting for functionality& access, as a normally perceived Forum of Public Due Process.

COVID Public meeting challenges will "NOT" be resolved by ADEQ's insistence upon disbanding the original Park Euclid CAB, from its continued duty to reasonable public environmental Citizen Oversight. ADEQ must instead reaffirm its pledge made to the CAB before closing the September 2, 2020 CAB meeting, to honor our next scheduled regular

assigned February, 2021 meeting, without "Virtual ADEQ Constrained Public meeting format, that disallows reasonable Public Access, Awareness, & Participation. Only by maintaining regular continuing CAB Oversight Vigilance to "Total Project Successful Remediation", can we "Insure the Public's Trust"!!!

Any other serious deviation from this standard of responsibility passes polluter liability to the public as the "Holder of Last Recourse ... Without Recourse", for the polluter's serious major negligent misconduct, forcing its minimalist past, current, & future remediation offers in their continuing (P.R.A.P.) Limited Remedial admission of wrong-doing, against the Public's best interests, in its current tendered offering. **Another offer of prudent accommodation to Public interests & disclosure would have ADEQ also extend the link hosting the September 2, 2020 CAB meeting recording another 90 days, as well as making the September 2, 2020 CAB meeting recording immediately available in the public domain, & Tucson Channel 12 prime time programming, as a continuing Public Service Update, for this & other future simple viewing, in lieu of only public records access protocol, for more germane Public Notice.**

Please feel free to contact me personally to receive the aforementioned documentation, & a copy/link access assist to download & view the ADEQ Sept. 2, 2020 "**Virtual** GoToMeeting recording".

Meeting Recording: You can watch and listen to the meeting using this link:

<<https://transcripts.gotomeeting.com/#/s/07ba453cd990f468f57fee03c7147b76a9097a6ab51f93e95dfc308eff8af122>>, then press the downward arrow at the right hand top after opening, to download recording.

***[Review of the 090220 last Pk Euclid meeting is "CRUCIAL" to grasping Virtual Duress that prevailed over prudent objectivity, to attempt terminating "Routine CAB Continuing Oversight to Full Remedial Completion."

The link will now expire on December 1, 2020, so I encourage you to download the recording to your computer to review for a public comment processed by September 30, 2020, unless ADEQ accommodates the 90 day requested further extension to December 1, 2020. Further documentation can be received by contacting me for, access use, & further review, followup questions, & **"Make a personal private or group Public Comment, first before the Mayor & Council's September 22, 2020 meeting, & then before the September 30, 2020 current ADEQ Public Comment Deadline."**

This will give vital Professional Guidance to our "Lost Barrio" neighborhood residents & ADEQ staff, to restore & safeguard Tucson's future Environmental, Public Health, Economic, Cultural, & most importantly, "PUBLIC TRUST" priorities!

***"Also review: "**Virtual** Court Putting Litigants at a Disadvantage?"

By: Richard Dahl (<https://www.findlaw.com/company/ourteam.html>) on August20, 2020 8:24 AM

The foundation for determining ADEQ's Current & Future full level of ardent protection of the Public's Health will dictate other relevant clean water & wildlife protection recurrent issues, like Rosemont Mine's proposed daily major explosives demolition in the Save Our Scenic Santa Rita Mountains Migratory corridors, currently **defended by "on point court decisions", that condemn the marginalizing of Public Agency Oversight that allows a narrow scope, scrutiny, & interpretation bias, to skew the artifice of compliance, authority, & safety to our environment.**

Precedence in Law still carries its weight in the Ninth Circuit Court of Appeals.

An excellent resource & assist locating pertinent archive & data/document download functions from ADEQ is through ADEQ CAB Meeting & Event Coordinator:

Mary McGillicuddy <mcgillicuddy.mary@azdeq.gov>
(602) 316-4270 ADEQ Phoenix offices

I will personally offer to send this "MISSION LINEN ADEQ ALERT", to any concerned neighbor or member of the Public that contacts me at my e-mail address below.

Sincerely,

Jonathan P. Salvatierra

<JETSLED54@GMAIL.COM> (520) 358-7607

Cell

Park Euclid CAB member/Actively licensed Az. Real Estate Broker

Additional Follow Up from 9/2/20 CAB Meeting

1) Meeting Recording

Link: <https://transcripts.gotomeeting.com/#/s/07ba453cd990f468f57fee03c7147b76a9097a6ab51f93e95dfc308eff8af122>

The link expires on 12/1/20. The recording will also be saved in the CAB's public file; anyone can request a copy of the recording by contacting ADEQ's Record Center

(<http://azdeq.gov/records-center>). I am also checking if we can add it to the ADEQ website.

2) Union Pacific diesel-product plume: Contact **Jason Kocer** for more information on the Union Pacific Underground Storage Tank (UST) site, which is near the 7th Street and Arizona WQARF site. Email kocer.jason@azdeq.gov or call 602-771-4341. You can learn more about ADEQ's UST program here: <https://azdeq.gov/USTProgram>.

3) Comments on Park-Euclid's Proposed Remedial Action Plan: I encourage you to submit the comments you made at the 9/2/20 CAB meeting to the project manager, Tom Titus (titus.thomas@azdeq.gov). Send them by September 30 to make sure they are included in the Record of Decision and receive an official ADEQ response.

4) CAB Charter/Community Involvement: ADEQ email last week mentioned how to request continued community involvement and public meetings as the WQARF sites enter the remediation phase--send these comments to Tom Titus (titus.thomas@azdeq.gov) to be included in Park-Euclid's Record of Decision. As our CAB event coordinator, Mary McGillicuddy is still in the process of finding out how to request the same for the other sites and hopes to have an answers soon.

Mary McGillicuddy

Community Involvement Coordinator

Office: 602-771-2336

Cell: 602-316-4270

Contact SANA Officers & view San Antonio Neighborhood Facebook Page for Community Meeting Date/Time/Location Updates.



Thomas Titus <titus.thomas@azdeq.gov>

Re: Park-Euclid/U of A well question

1 message

Jonathan Salvatierra <jetsled54@gmail.com>

Wed, Sep 23, 2020 at 9:08 PM

To: Mary McGillicuddy <mcgillicuddy.mary@azdeq.gov>, Titus.Thomas@azdeq.gov

Mary,

I had no idea that you were out until Tues., so when I had no response by calls Monday & Tuesday, it gratefully prompted me to document my concerns by completing my own Pk Euclid Public Comment, & expanding my search for more background data by others, to corroborate & assist the search.

1. The UA Cherry Ave production well closure took place 10-15 years ago under my watch as a CAB member. Also the location of the UA Cherry Ave. closed production well was South of Broadway.

2. The "URS WELL LOCATIONS AND EXISTING SAMPLING PROGRAM MAP", Tom Titus provided has a legend that avoids a major footprint inside the suspect area of concern, & is incomplete for the area West of Campbell, & also omits production/monitor wells inside our neighborhood immediately West of the intersection of South Campbell Ave., & North of 15th. St.

3. I Specifically requested the "Wells 55 number", of the suspect wells, to determine the full history of use, past & present. Please use this ADWR registry to identify the suspect UA Cherry Ave. Wells 55 ID & maps for purposes of location.

4. When this "Wells 55 number", well is definitively located, I am requesting a complete contamination profile over the last 20 years of sampling/profile testing.

5. I am placing the "MAJOR" burden for this discovery with ADEQ, whose expertise & familiarity with this event must be part of the Public Record, available to all those who require accurate data to make a well informed Public Comment.

6. Also the two production wells on Mission Linen that were supposedly "closed", do not convey that action with ADWR records. They currently show permitted access use of not more than 35 gallons per minute for each of those wells.

Please verify this with attached documentation to ascertain current status.

7. As always, I am authorizing Mary McGillicuddy in her capacity as liaison, to provide exact, full, & timely copies of these complete comments/discovery/documented history/ongoing determinations prior to any PRAP/ROD deadline, rushed to exclude mandatory discovery by ADEQ, & reasonable admission of contributory negligence by polluters, whose settlement relies upon full disclosure of all direct & ancillary elements that may be intentionally withheld from the Public Record, denying the right of all parties to a fair & equitable settlement of their indemnity liability exposure.

Time Is of the Essence.

Dutifully Submitted,

Jonathan Paul Salvatierra

Mission Linen Park Euclid WHARF Haz-Mat Superfund CAB member

On Wed, Sep 23, 2020 at 12:46 PM Mary McGillicuddy <mcgillicuddy.mary@azdeq.gov> wrote:

Hi Johnathan,

This is what I received from Tom.

Thank you,

Mary McGillicuddy

Community Involvement Coordinator

Office: 602-771-2336

Cell: 602-316-4270



azdeq.gov

Your feedback matters to ADEQ. Visit azdeq.gov/feedback

----- Forwarded message -----

From: **Thomas Titus** <titus.thomas@azdeq.gov>
Date: Fri, Sep 18, 2020 at 9:48 AM
Subject: Re: Park-Euclid/U of A well question
To: Mary McGillicuddy <mcgillicuddy.mary@azdeq.gov>

See attached. The "Optical" Well is near the intersection of N Cherry St and University Blvd.

Tom Titus

Project Manager
Remedial Projects Unit
Direct: 602.771.0102

azdeq.gov



Your feedback matters to ADEQ. Visit azdeq.gov/feedback

On Fri, Sep 18, 2020 at 9:00 AM Mary McGillicuddy <mcgillicuddy.mary@azdeq.gov> wrote:
Hi Tom,

A member of the Park-Euclid/Tucson CAB requested the location of the University of Arizona production well(s) formerly or currently affected by the Park-Euclid plume. He specifically mentioned one on or near Cherry Street. If this sounds familiar, can you share the cross streets? I looked at the PRAP's well location map and don't see that street.

Thank you,

Mary

Mary McGillicuddy

Community Involvement Coordinator
Office: 602-771-2336
Cell: 602-316-4270



azdeq.gov

Your feedback matters to ADEQ. Visit azdeq.gov/feedback



Thomas Titus <titus.thomas@azdeq.gov>

ADEQ Mission Linen Pk-Euclid Newest discovery & Update Questions for Disclosure

1 message

Jonathan Salvatierra <jetsled54@gmail.com>

Mon, Sep 28, 2020 at 5:35 PM

To: Mary McGillicuddy <mcgillicuddy.mary@azdeq.gov>, Thomas Titus <titus.thomas@azdeq.gov>, Rick Zeise <rick.zeise@azag.gov>

09-28-2020

Wendy, & Other Named Recipients:

***Answers to the foregoing questions for timely clarification are intended for all ADEQ senior staff & Administration authorized to weigh in on these replies (individually named qualifying responses).

1. If the new Mission Linen PRAP/ROD deadline extension to October 30, 2020 & other pertinent new directions are being taken, why am I the only person that you have chosen to divulge this crucial information to? This is relevant to all CAB members immediately. This is "not", personal confidential correspondence notification only to me. I have, & will continue to authorize all my full, unredacted inquiry correspondence, findings, new relevant data resources, & immediate ADEQ documented responses, immediately accessible by our CAB, into the public domain, & further to the general public's timely use.
2. The serious intent for my fervent request of ADEQ, for the full 90 day extension of the Mission Linen PRAP/ROD Public Comment period deadline of December 30, 2020, was to allow sufficient time for ADEQ research, full CAB, Professional, consultant, Corp of Engineer, & Public Dissemination, followed by sufficient review time to make educated qualified inference relative to the facts, with qualifying responses, proceeding with confidence, knowing that our best professional standards of excellence are met, primarily protecting the "Public's Best Interests & preserving our precious potable drinking groundwater for generations to come. Is this a reasonable expectation of the current ADEQ Administration & Public policy guidelines in rigorous practice?
3. Also, why did you tell me to, & I quote, "not divulge this to anyone else"?
4. It has been three whole days since you made me aware by email that ADEQ made this decision without reservation. Why would you also request that my silence must be kept until you refiled in the Tucson Territorial?
4. Must I file a formal personal records request with legal assistance, for ADEQ et al answers, to counter any delays in documented replies to me, the other CAB members, & the general public, sufficiently prior to the public comment period deadline?
5. From the last minutes of the September 2, 2020 Mission Linen Virtual Go-To-Meeting discourse, the next scheduled meeting was directed to be February, 2021. I feel that by that point in time we can go back to regular "in-person" meetings, with proper social distancing & safeguards, to preclude any question of impropriety in terms of Full Public Due Process, public access to CAB public meetings, & full public participation. Has this ADEQ Administration determined a differing interpretation to this scheduling?
The lack of full & timely disclosure, while pushing fast deadlines seems to intentionally restrict all public comments to the bare surface elements, due to new pertinent relevant facts withheld, that ADEQ is lawfully obligated to dutifully remit.
6. Was the ADEQ Mission Linen PRAP/ROD Public Comment's new October 30, 2020 Public Comment Extension Deadline meant to mitigate this concern?

This is by no means an easy effort to achieve under the ongoing Covid Pandemic conditions, but in the interest of preserving our Constitutional & Civil Rights under this constraint, this endeavor is paramount to adherence to full Democratic Representation for our nation, & our citizens.

It is my distinct impression from my current discovery that "ALL" the UA "Free Product" tainted Production Well answers lie with the Corp of Engineers Arroyo Chico Detention Basins Project, & more specifically with the T.U.S.D. Sunken Baseball field excavation, & the subsequent misfiling of ADWR Wells 55 Registry numbers of Old & New accurate ID notation.

It is my further belief, based on my 17+ year history with this CAB, 30+ year history as an actively licensed Real Estate Broker, & 30 years working as a Conductor/Brakeman/Switchman with the Union Pacific Railroad, that this same geographic surrounding area contiguous with the Union Pacific mainline, as Miles & San Antonio neighborhood's Southern boundary, holds many disappointing unresolved & ongoing contamination threats to our Tucson metropolitan subsurface, perched, & regional aquifers, & that Bob Boudra, Richard Byrd, & John Spiker may be required to attest to clarification in the final resolution of this ever present challenge to our ultimate Tucson Groundwater Remediation to full potable drinking water standards.

11/18/2020

State of Arizona Mail - ADEQ Mission Linen Pk-Euclid Newest discovery & Update Questions for Disclosure

~~*****~~

Dutifully Submitted,

Jonathan P. Salvatierra

"Original" Mission Linen Park Euclid WHARF Haz-Mat Superfund CAB member



Douglas A. Ducey
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Misael Cabrera
Director

October 20, 2020
RPU 21-034

Via Email

Mr. Jonathan Salvatierra

Re: Response to Comments, Park-Euclid WQARF Site, Tucson, Arizona

Mr. Salvatierra,

The Arizona Department of Environmental Quality (ADEQ) has reviewed your comments submitted via electronic mail on September 22, September 23, and September 28, 2020, related to the contamination at the Park-Euclid Water Quality Assurance Revolving Fund (WQARF) Site located in Tucson, Arizona. ADEQ has organized your comments and concerns into the following categories:

1. University of Arizona (UofA) Cherry Avenue Well Abandonment
2. The Nature and Extent of Contamination at the Site
3. The Financing of the Investigation and the Clean-up of the Site
4. Public Access to Site Data and Documents
5. The Public Comment Period of the Proposed Remedial Action Plan (PRAP)
6. Virtual Public Meetings
7. Future Project Updates

The purpose of this letter is to address your comments and concerns as categorized above.

Concern #1 – UofA Cherry Avenue Well Abandonment

ADEQ understands that you are concerned the UofA Cherry Avenue Well was abandoned due to contamination associated with the Park-Euclid WQARF Site. There are several lines of evidence to show that the UofA abandoned the Cherry Avenue Well due to age versus contamination. These include the following:

Main Office

1110 W. Washington Street • Phoenix, AZ 85007
(602) 771-2300

Southern Regional Office

400 W. Congress Street • Suite 433 • Tucson, AZ 85701
(520) 628-6733

www.azdeq.gov

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1. The UofA, in a letter submitted to ADEQ dated February 6, 2004 (see Attachment A of this letter), indicated the Cherry Avenue Well was to be abandoned in 2004 and replaced with the Optical Science Well (55-201737). Data from the Arizona Department of Water Resources confirm the Cherry Avenue Well was replaced with the Optical Science Well in April 2004. The Optical Science Well is located near the intersection of Cherry Avenue and University Boulevard (same area as the abandoned Cherry Avenue Well). If the Cherry Avenue Well had been impacted with contamination, the UofA would not have drilled a replacement well in the same area.
2. Water quality data (as shown by Table A-1 in Attachment A of this letter) collected from the Optical Science Well indicate no chemicals from the Park-Euclid WQARF Site have been detected in the Optical Science Well.
3. Additional correspondence from the UofA (see Attachment A) to ADEQ on April 1, 2015 indicate that none of the UofA water production wells contain contaminants or have been shut down due to contamination from the Park-Euclid WQARF Site.

In summary, none of the UofA production wells have been or currently are impacted with contamination associated with the Park-Euclid WQARF Site.

Concern #2 – Nature and Extent of Contamination at the Site

ADEQ understands that you are concerned that the full extent of the dry cleaning fluids have not been quantified and that additional contamination is present east of the Park-Euclid WQARF Site groundwater plume. Please note the following regarding these concerns:

1. The contaminants associated with the dry cleaning fluids at the Park-Euclid WQARF Site include tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride (VC).
2. Other contaminants such as diesel fuel and gasoline are present in the vicinity of the Park-Euclid WQARF Site. The data show that these contaminants are not from and are not associated with the Park-Euclid WQARF Site. ADEQ's investigation of these chemicals is ongoing. A summary of these projects is as follows:
 - a. Leaking Underground Storage Tank (LUST) projects including Blue Star Gas, Park Avenue Shell, and City of Tucson Service Center. The ADEQ contact for these projects is Tara Rosie who is available via email at Rosie.Tara@azdeq.gov.
 - b. The Union Pacific Railroad 22nd Street Yard. The ADEQ contact for this project is Caitlin Burwell who is available via email at Burwell.Caitlin@azdeq.gov.
 - c. The Union Pacific Railroad 31st Street Site. The ADEQ contact for this project is Nicole Osuch who is available via email at Osuch.Nicole@azdeq.gov.
3. The groundwater plume maps presented in the Remedial Investigation Report, Feasibility Study Report, and Proposed Remedial Action Plan clearly show that the full extent of the dry cleaning fluids have been quantified and defined to regulatory standards. Copies of these documents can be accessed online at <http://www.azdeq.gov/node/1019>.

4. The most recent soil and groundwater data for the Park-Euclid WQARF Site are presented in the 2020 Groundwater Report which can be accessed online at <http://www.azdeq.gov/node/1019>. The 2020 Groundwater Report presents several lines of evidence that show the lateral and vertical extent of contamination associated with the Park-Euclid WQARF Site has been quantified and defined to regulatory standards. This evidence includes:
 - a. Soil and groundwater plume maps with the groundwater flow direction that show the lateral and vertical extent of the dry cleaning fluids as shown on the figures presented in the 2020 Groundwater Report.
 - b. The groundwater contaminant and elevation data as well as a statistical analysis of these data as presented in the tables of the 2020 Groundwater Report.
 - c. The chemical concentration trend analysis shown on Figure 18 and in Appendix B of the 2020 Groundwater Report for data collected between 2011 and 2020.

In summary, the data presented in the Remedial Investigation Report, Feasibility Report, Proposed Remedial Action Plan, and the 2020 Groundwater Report show the nature and extent of contamination associated with the Park-Euclid WQARF Site has been quantified and defined to regulatory standards.

Concern #3 - The Financing of the Investigation and Clean-up of the Site

ADEQ understands that you are concerned that the costs of investigating and removing the contamination from the soil and groundwater at the Park-Euclid WQARF Site will be the responsibility of the taxpayers. Please note the following regarding this concern:

1. The WQARF Process as defined by the Arizona Revised Statutes and Arizona Administrative Code states that the persons responsible for polluting the environment are liable and responsible for funding the remedial action necessary to investigate and remove the contamination that they caused.
2. The Park-Euclid Group, which is composed of Haskell Linen and Mission Linen (the two parties responsible for the contamination at the Park-Euclid WQARF Site), have spent over \$9 million dollars investigating the contamination at the Site since 1991. These investigative activities included drilling soil borings and installing monitoring wells; collecting soil, soil vapor, and groundwater samples; and operating soil treatment systems.
3. Discussions between ADEQ and the Park-Euclid Group indicate that the Park-Euclid Group intends to fund the remedial action to clean-up the contamination at the Park-Euclid WQARF Site as outlined in the Proposed Remedial Action Plan dated May 22, 2020 and issued for public comment on June 29, 2020.

In summary, the parties responsible for the soil and groundwater contamination at the Park-Euclid WQARF have paid for and will continue to pay for the investigation and removal of the soil and groundwater contamination.

Concern #4 – Public Access to Site Data and Documents

ADEQ understands that you are concerned with your ability and the public's ability to review data and documents related to the Park-Euclid WQARF Site. Please note the following regarding this concern:

1. A summary of the data and associated findings for the Park-Euclid WQARF Site is presented in the Remedial Investigation Report, Feasibility Study Report, and Proposed Remedial Action Plan. These documents, along with maps and a site history, are available online at <http://www.azdeq.gov/node/1013>.
2. The Public Record for the Park-Euclid WQARF Site includes documents and data collected at the Site since 1990. A list of these documents and data is presented in Attachment B of this letter. These documents and data are publicly available at the ADEQ Records Center. Requests to view these documents and data can be made online at <https://www.azdeq.gov/records-center>.
3. Some of the documents listed in Attachment B are available electronically and can be sent to you electronically upon your request.

In summary, the data and documents for the Park-Euclid WQARF Site are available for your and the public's review upon request to the ADEQ Records Center.

Concern #5 – The Public Comment Period of the Proposed Remedial Action Plan (PRAP)

ADEQ understands that you are concerned with your ability and the public's ability to review the data and documents associated with the Proposed Remedial Action Plan within the 90-day comment period. Additionally, ADEQ understands that you requested that the public comment period for the Proposed Remedial Action Plan be extended until December 30, 2020 to allow more time to review the data and documents associated with the Park-Euclid WQARF Site. Please note the following regarding these concerns:

1. ADEQ extended the public comment period until October 30, 2020 to allow more time for you and the public to review the data and documents associated with the Park-Euclid WQARF Site.
2. The Remedial Investigation Report includes the data used to identify the source of the contamination and the nature and extent of the contamination. Responses to public comments regarding the Remedial Investigation Report are included as Appendix E of the report. The Feasibility Study Report includes a detailed evaluation of the remedial technologies that could be used to remove the contamination at the Park-Euclid WQARF Site. The objective of these reports is to provide the public with a summary of the project data, data evaluations, and findings. These reports are available online at <http://www.azdeq.gov/node/1019>.
3. The Proposed Remedial Action Plan includes a summary of the data presented in the Remedial Investigation Report (Section 3) and the Feasibility Study Report (Section 4) as

well as a description of the remedial technologies selected to remove the contamination at the Park-Euclid WQARF Site. The objective of the Proposed Remedial Action Plan is to provide a brief summary of the project data used to select the proposed remedial action for removing the contamination at the Park-Euclid WQARF Site. The Proposed Remedial Action Plan is available online at <http://www.azdeq.gov/node/1019>.

In summary, the Remedial Investigation Report, Feasibility Study Report, and Proposed Remedial Action Plan present summaries of the project data and findings. These documents provide a means for the public to quickly review the project data, data evaluations, and findings for the Park-Euclid WQARF Site.

Concern #6 – Virtual Public Meetings

ADEQ understands that you are concerned the virtual public meetings currently required by the COVID pandemic have impeded the ability of the public to participate in the Community Advisory Board (CAB) meetings. ADEQ shares this concern and we are doing our best to facilitate CAB members and members of the public to ask questions and express their concerns during these virtual public meetings. It should be noted that the CAB voted to have the most recent public meeting for the Park-Euclid WQARF Site virtually, thus obligating ADEQ to host a virtual meeting. ADEQ looks forward to the end of the COVID pandemic so that we can resume in-person public meetings.

Concern #7 – Future Project Updates

ADEQ understands that you are concerned that ADEQ will discontinue providing updates to the public regarding the on-going remedial activities at the Park-Euclid WQARF Site. It is ADEQ's intention to continue providing project updates on the status of the remedial actions being conducted at the Park-Euclid WQARF Site at future Stone and Grant/7th Street and Arizona/Park-Euclid CAB meetings.

Please contact me via telephone at 602.771.0102 or via email at Titus.Thomas@azdeq.gov should you have any questions regarding this letter.

Sincerely,

Tom Titus

Tom Titus
Project Manager

Cc: Tina LePage, Mary McGillicuddy, Caitlin Burwell, Nicole Osuch, and Tara Rosie (ADEQ)
Rick Zeise (Arizona Attorney General Office)

ATTACHMENT A

Table A-1 - University of Arizona Optical Science Well Water Quality Data

Well	Sample Date	Compound	Sample Result	Units	Sample Result Exceeds Regulatory Level
Optical Science Well	8/20/2004	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	8/20/2004	Tetrachloroethene	0.5	ppb	No
Optical Science Well	8/20/2004	Trichloroethene	0.5	ppb	No
Optical Science Well	8/20/2004	Vinyl chloride	0.5	ppb	No
Optical Science Well	9/24/2004	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	9/24/2004	Tetrachloroethene	0.5	ppb	No
Optical Science Well	9/24/2004	Trichloroethene	0.5	ppb	No
Optical Science Well	9/24/2004	Vinyl chloride	0.5	ppb	No
Optical Science Well	10/14/2004	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	10/14/2004	Tetrachloroethene	0.5	ppb	No
Optical Science Well	10/14/2004	Trichloroethene	0.5	ppb	No
Optical Science Well	10/14/2004	Vinyl chloride	0.5	ppb	No
Optical Science Well	11/8/2004	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	11/8/2004	Tetrachloroethene	0.5	ppb	No
Optical Science Well	11/8/2004	Trichloroethene	0.5	ppb	No
Optical Science Well	11/8/2004	Vinyl chloride	0.5	ppb	No
Optical Science Well	12/23/2004	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	12/23/2004	Tetrachloroethene	0.5	ppb	No
Optical Science Well	12/23/2004	Trichloroethene	0.5	ppb	No
Optical Science Well	12/23/2004	Vinyl chloride	0.5	ppb	No
Optical Science Well	1/11/2005	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	1/11/2005	Tetrachloroethene	0.5	ppb	No
Optical Science Well	1/11/2005	Trichloroethene	0.5	ppb	No
Optical Science Well	1/11/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	2/23/2005	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	2/23/2005	Tetrachloroethene	0.5	ppb	No
Optical Science Well	2/23/2005	Trichloroethene	0.5	ppb	No
Optical Science Well	2/23/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	3/8/2005	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	3/8/2005	Tetrachloroethene	0.5	ppb	No
Optical Science Well	3/8/2005	Trichloroethene	0.5	ppb	No
Optical Science Well	3/8/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	4/12/2005	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	4/12/2005	Tetrachloroethene	0.5	ppb	No
Optical Science Well	4/12/2005	Trichloroethene	0.5	ppb	No
Optical Science Well	4/12/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	5/11/2005	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	5/11/2005	Tetrachloroethene	0.5	ppb	No
Optical Science Well	5/11/2005	Trichloroethene	0.5	ppb	No
Optical Science Well	5/11/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	6/17/2005	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	6/17/2005	Tetrachloroethene	0.5	ppb	No
Optical Science Well	6/17/2005	Trichloroethene	0.5	ppb	No
Optical Science Well	6/17/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	7/13/2005	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	7/13/2005	Tetrachloroethene	0.5	ppb	No
Optical Science Well	7/13/2005	Trichloroethene	0.5	ppb	No
Optical Science Well	7/13/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	9/16/2005	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	9/16/2005	Tetrachloroethene	0.5	ppb	No
Optical Science Well	9/16/2005	Trichloroethene	0.5	ppb	No
Optical Science Well	9/16/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	10/10/2005	cis-1,2-Dichloroethene	0.5	ppb	No

Table A-1 - University of Arizona Optical Science Well Water Quality Data

Well	Sample Date	Compound	Sample Result	Units	Sample Result Exceeds Regulatory Level
Optical Science Well	10/10/2005	Tetrachloroethene	0.5	ppb	No
Optical Science Well	10/10/2005	Trichloroethene	0.5	ppb	No
Optical Science Well	10/10/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	11/9/2005	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	11/9/2005	Tetrachloroethene	0.5	ppb	No
Optical Science Well	11/9/2005	Trichloroethene	0.5	ppb	No
Optical Science Well	11/9/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	12/15/2005	cis-1,2-Dichloroethene	2	ppb	No
Optical Science Well	12/15/2005	Tetrachloroethene	2	ppb	No
Optical Science Well	12/15/2005	Trichloroethene	2	ppb	No
Optical Science Well	12/15/2005	Vinyl chloride	0.5	ppb	No
Optical Science Well	1/17/2006	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	1/17/2006	Tetrachloroethene	0.5	ppb	No
Optical Science Well	1/17/2006	Trichloroethene	0.5	ppb	No
Optical Science Well	1/17/2006	Vinyl chloride	0.5	ppb	No
Optical Science Well	2/7/2006	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	2/7/2006	Tetrachloroethene	0.5	ppb	No
Optical Science Well	2/7/2006	Trichloroethene	0.5	ppb	No
Optical Science Well	2/7/2006	Vinyl chloride	0.5	ppb	No
Optical Science Well	3/22/2006	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	3/22/2006	Tetrachloroethene	0.5	ppb	No
Optical Science Well	3/22/2006	Trichloroethene	0.5	ppb	No
Optical Science Well	3/22/2006	Vinyl chloride	0.5	ppb	No
Optical Science Well	4/11/2006	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	4/11/2006	Tetrachloroethene	0.5	ppb	No
Optical Science Well	4/11/2006	Trichloroethene	0.5	ppb	No
Optical Science Well	4/11/2006	Vinyl chloride	0.5	ppb	No
Optical Science Well	5/10/2006	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	5/10/2006	Tetrachloroethene	0.5	ppb	No
Optical Science Well	5/10/2006	Trichloroethene	0.5	ppb	No
Optical Science Well	5/10/2006	Vinyl chloride	0.5	ppb	No
Optical Science Well	7/26/2006	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	7/26/2006	Tetrachloroethene	0.5	ppb	No
Optical Science Well	7/26/2006	Trichloroethene	0.5	ppb	No
Optical Science Well	7/26/2006	Vinyl chloride	0.5	ppb	No
Optical Science Well	8/24/2006	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	8/24/2006	Tetrachloroethene	0.5	ppb	No
Optical Science Well	8/24/2006	Trichloroethene	0.5	ppb	No
Optical Science Well	8/24/2006	Vinyl chloride	0.5	ppb	No
Optical Science Well	9/21/2006	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	9/21/2006	Tetrachloroethene	0.5	ppb	No
Optical Science Well	9/21/2006	Trichloroethene	0.5	ppb	No
Optical Science Well	9/21/2006	Vinyl chloride	0.5	ppb	No
Optical Science Well	11/29/2006	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	11/29/2006	Tetrachloroethene	0.5	ppb	No
Optical Science Well	11/29/2006	Trichloroethene	0.5	ppb	No
Optical Science Well	11/29/2006	Vinyl chloride	0.5	ppb	No
Optical Science Well	12/29/2006	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	12/29/2006	Tetrachloroethene	0.5	ppb	No
Optical Science Well	12/29/2006	Trichloroethene	0.5	ppb	No
Optical Science Well	12/29/2006	Vinyl chloride	0.5	ppb	No
Optical Science Well	1/30/2007	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	1/30/2007	Tetrachloroethene	0.5	ppb	No

Table A-1 - University of Arizona Optical Science Well Water Quality Data

Well	Sample Date	Compound	Sample Result	Units	Sample Result Exceeds Regulatory Level
Optical Science Well	1/30/2007	Trichloroethene	0.5	ppb	No
Optical Science Well	1/30/2007	Vinyl chloride	0.5	ppb	No
Optical Science Well	2/22/2007	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	2/22/2007	Tetrachloroethene	0.5	ppb	No
Optical Science Well	2/22/2007	Trichloroethene	0.5	ppb	No
Optical Science Well	2/22/2007	Vinyl chloride	0.5	ppb	No
Optical Science Well	3/28/2007	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	3/28/2007	Tetrachloroethene	0.5	ppb	No
Optical Science Well	3/28/2007	Trichloroethene	0.5	ppb	No
Optical Science Well	3/28/2007	Vinyl chloride	0.5	ppb	No
Optical Science Well	4/19/2007	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	4/19/2007	Tetrachloroethene	0.5	ppb	No
Optical Science Well	4/19/2007	Trichloroethene	0.5	ppb	No
Optical Science Well	4/19/2007	Vinyl chloride	0.5	ppb	No
Optical Science Well	5/3/2007	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	5/3/2007	Tetrachloroethene	0.5	ppb	No
Optical Science Well	5/3/2007	Trichloroethene	0.5	ppb	No
Optical Science Well	5/3/2007	Vinyl chloride	0.5	ppb	No
Optical Science Well	6/14/2007	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	6/14/2007	Tetrachloroethene	0.5	ppb	No
Optical Science Well	6/14/2007	Trichloroethene	0.5	ppb	No
Optical Science Well	6/14/2007	Vinyl chloride	0.5	ppb	No
Optical Science Well	12/11/2007	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	12/11/2007	Tetrachloroethene	0.5	ppb	No
Optical Science Well	12/11/2007	Trichloroethene	0.5	ppb	No
Optical Science Well	12/11/2007	Vinyl chloride	0.5	ppb	No
Optical Science Well	1/10/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	1/10/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	1/10/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	1/10/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	2/11/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	2/11/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	2/11/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	2/11/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	3/10/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	3/10/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	3/10/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	3/10/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	4/14/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	4/14/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	4/14/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	4/14/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	5/8/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	5/8/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	5/8/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	5/8/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	6/9/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	6/9/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	6/9/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	6/9/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	7/10/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	7/10/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	7/10/2008	Trichloroethene	0.5	ppb	No

Table A-1 - University of Arizona Optical Science Well Water Quality Data

Well	Sample Date	Compound	Sample Result	Units	Sample Result Exceeds Regulatory Level
Optical Science Well	7/10/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	8/19/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	8/19/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	8/19/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	8/19/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	9/10/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	9/10/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	9/10/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	9/10/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	10/8/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	10/8/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	10/8/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	10/8/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	11/4/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	11/4/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	11/4/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	11/4/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	12/9/2008	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	12/9/2008	Tetrachloroethene	0.5	ppb	No
Optical Science Well	12/9/2008	Trichloroethene	0.5	ppb	No
Optical Science Well	12/9/2008	Vinyl chloride	0.5	ppb	No
Optical Science Well	1/12/2009	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	1/12/2009	Tetrachloroethene	0.5	ppb	No
Optical Science Well	1/12/2009	Trichloroethene	0.5	ppb	No
Optical Science Well	1/12/2009	Vinyl chloride	0.5	ppb	No
Optical Science Well	7/21/2011	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	7/21/2011	Tetrachloroethene	1	ppb	No
Optical Science Well	7/21/2011	Trichloroethene	1	ppb	No
Optical Science Well	7/21/2011	Vinyl chloride	1	ppb	No
Optical Science Well	8/25/2011	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	8/25/2011	Tetrachloroethene	1	ppb	No
Optical Science Well	8/25/2011	Trichloroethene	1	ppb	No
Optical Science Well	8/25/2011	Vinyl chloride	1	ppb	No
Optical Science Well	9/29/2011	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	9/29/2011	Tetrachloroethene	1	ppb	No
Optical Science Well	9/29/2011	Trichloroethene	1	ppb	No
Optical Science Well	9/29/2011	Vinyl chloride	1	ppb	No
Optical Science Well	11/1/2011	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	11/1/2011	Tetrachloroethene	1	ppb	No
Optical Science Well	11/1/2011	Trichloroethene	1	ppb	No
Optical Science Well	11/1/2011	Vinyl chloride	1	ppb	No
Optical Science Well	11/22/2011	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	11/22/2011	Tetrachloroethene	1	ppb	No
Optical Science Well	11/22/2011	Trichloroethene	1	ppb	No
Optical Science Well	11/22/2011	Vinyl chloride	1	ppb	No
Optical Science Well	12/15/2011	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	12/15/2011	Tetrachloroethene	1	ppb	No
Optical Science Well	12/15/2011	Trichloroethene	1	ppb	No
Optical Science Well	12/15/2011	Vinyl chloride	1	ppb	No
Optical Science Well	9/19/2012	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	9/19/2012	Tetrachloroethene	1	ppb	No
Optical Science Well	9/19/2012	Trichloroethene	1	ppb	No
Optical Science Well	9/19/2012	Vinyl chloride	1	ppb	No

Table A-1 - University of Arizona Optical Science Well Water Quality Data

Well	Sample Date	Compound	Sample Result	Units	Sample Result Exceeds Regulatory Level
Optical Science Well	10/25/2012	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	10/25/2012	Tetrachloroethene	1	ppb	No
Optical Science Well	10/25/2012	Trichloroethene	1	ppb	No
Optical Science Well	10/25/2012	Vinyl chloride	1	ppb	No
Optical Science Well	12/19/2012	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	12/19/2012	Tetrachloroethene	1	ppb	No
Optical Science Well	12/19/2012	Trichloroethene	1	ppb	No
Optical Science Well	12/19/2012	Vinyl chloride	1	ppb	No
Optical Science Well	2/18/2013	cis-1,2-Dichloroethene	1	ppb	No
Optical Science Well	2/18/2013	Tetrachloroethene	1	ppb	No
Optical Science Well	2/18/2013	Trichloroethene	1	ppb	No
Optical Science Well	2/18/2013	Vinyl chloride	1	ppb	No
Optical Science Well	5/30/2013	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	5/30/2013	Tetrachloroethene	0.5	ppb	No
Optical Science Well	5/30/2013	Trichloroethene	0.5	ppb	No
Optical Science Well	5/30/2013	Vinyl chloride	0.5	ppb	No
Optical Science Well	8/15/2013	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	8/15/2013	Tetrachloroethene	0.5	ppb	No
Optical Science Well	8/15/2013	Trichloroethene	0.5	ppb	No
Optical Science Well	8/15/2013	Vinyl chloride	0.5	ppb	No
Optical Science Well	4/23/2014	cis-1,2-Dichloroethene	0.5	ppb	No
Optical Science Well	4/23/2014	Tetrachloroethene	0.5	ppb	No
Optical Science Well	4/23/2014	Trichloroethene	0.5	ppb	No
Optical Science Well	4/23/2014	Vinyl chloride	0.5	ppb	No

NOTES:

ppb = Parts Per Billion

February 6, 2004

Mr. Matt Doolen - Project Manager
Superfund Programs Unit
Arizona Dept. of Environmental Quality
400 West Congress Street, Suite 433
Tucson, AZ 85701

**Re: Present and Reasonably Foreseeable Groundwater Use in the Vicinity of the
Park-Euclid WQARF Site**

Dear Matt:

The following information is in response to your letter dated January 13, 2004, requesting information for incorporation into the draft Remedial Investigation report on the Park-Euclid WQARF site. Reasonably foreseeable water uses are defined as those likely to occur within 100 years, unless specific site conditions require a longer period. As you are aware, the accuracy of any prediction concerning groundwater use over such a long period is suspect, but it is still important to at least establish a baseline to allow planning for the most appropriate remediation of the site.

The University of Arizona has depended upon groundwater below its campus for almost a century. Until the last few decades, groundwater was the only source of water supply. We now supplement with City of Tucson water, but the cost differential between pumping our groundwater and using city water is significant. It is, therefore, a fiscal priority to maximize use of our wells over use of city water.

Infrastructure

Two independent water systems currently serve the needs of the Main Campus and the Arizona Health Sciences Center (AHSC) campus respectively. In the next five years, the two systems will be connected and merged into one.

The University has three active wells (Huachuca, Architecture, CRB) on its main campus and three inactive wells (Aggie, Martin Street, Library).

- Two of the active wells (Architecture, Huachuca) are south of Speedway, and are being monitored monthly for VOCs. Both of these wells will probably be replaced in the next 10-20 years.
- The Library Well will be abandoned this year and replaced by a new well on the east end of campus (Optical Science Well).
- The Martin Street well is currently inactive due to its proximity to the plume and silting issues. There are no current plans to abandon, rehab, or replace it. Its future will depend largely on remediation of the plume.



- The Aggie Well has been inactivated due to structural problems, and will probably be abandoned and replaced sometime in the next five years.
- The CRB well is north of Speedway, and probably has another 20-30 years of life before it is replaced.

There are two wells on the AHSC campus (North, South). The south well will probably be replaced within the next five years due to decreasing yields and sand issues. The north well may be relocated in the next 10 years to make space for a new building.

Over the past several years, the portion of the potable water supplied by our own wells has been about 50-60%. With the new well, and centralized management of the pumps, we hope to increase that share to 95%, or better, in the next two years.

Water Use

Water use on campus includes the following categories:

- Domestic uses in dormitory, classroom, laboratory, and office buildings
- Landscape irrigation with minor water feature use
- Research and laboratory use
- Commercial uses – including food preparation, light manufacturing
- Steam for building heat
- Cooling towers and chilled water loop make-up

The University uses reclaimed effluent (purchased from the City of Tucson) for a portion of the cooling tower use and irrigation. It is a priority to connect the remainder of the irrigation network to the reclaimed water system. Reclaim is available at all three cooling plants on campus, but only one is currently using it due to difficulties encountered in treatment. Once those challenges are overcome, the remaining two plants will also use reclaimed water in their towers.

According to the Comprehensive Campus Plan, Fall 2000 Student enrollment was 30,690 and staff was 9,278 FTEs. Projections for Fall 2010 are 37,230 students and 10,609 Staff FTEs. The University is currently growing with respect to building space. Net assignable square footage (NASF) in Fall 2000 was 5,362,357 square feet. Projected NASF for 2010 is 6,057,144 square feet. Eventual build-out will come close to doubling the Fall 2000 NASF. Much of the growth will concentrate on research facilities, so will not impact the total student enrollment as much as the staff FTE number.

The attached map shows the eventual build-out density envisioned in the University of Arizona Comprehensive Campus Plan, a copy of which is available on the University website. At that time, the NASF will be in excess of 9,000,00 square feet. The Fall 2000 and Fall 2010 figure represent a ratio of about 8 FTEs per 1000 square feet of NASF. Using the same ratio, the eventual total campus population (student plus staff) could grow to 72,000, or about 1.5 times the Fall 2000 population.

Average water use for 2001 and 2002 is broken out by categories below:

- Domestic = 438.25 acre ft.
- Commercial = 23.44 acre ft.
- Industrial = 368.48 acre ft.
- Landscape irrigation = 45.00 acre ft.

for a total water use of 875.17 acre-feet. Of that total, 192.57 acre feet was reclaimed effluent use, leaving a potable water use of 682.60 acre feet. Eventually about 90% of the industrial and 95% of the irrigation will be supplied by reclaimed effluent, which would reduce the annual potable water use to about 500 acre feet (162,925,500 gallons), based upon conditions in 2001 and 2002. We will use this figure as a base for projecting future ground water use on campus.

The only growth component that will have a significant effect on increased groundwater use is the change in campus population. Building growth will have a minor effect in increased steam production, but the cooling load should, by that time, only affect the reclaimed effluent use. Likewise, any increase in irrigated acreage should not have a substantial effect on groundwater use, as that new acreage will be irrigated with reclaimed effluent.

The average campus population for 2001 and 2002 was 44,563. That equates to a per capita annual potable water use of 3,656 gallons. Projecting that to ultimate campus build-out population (72,000) would equate to an annual water use of 263,237,125 gallons or about 808 acre feet.

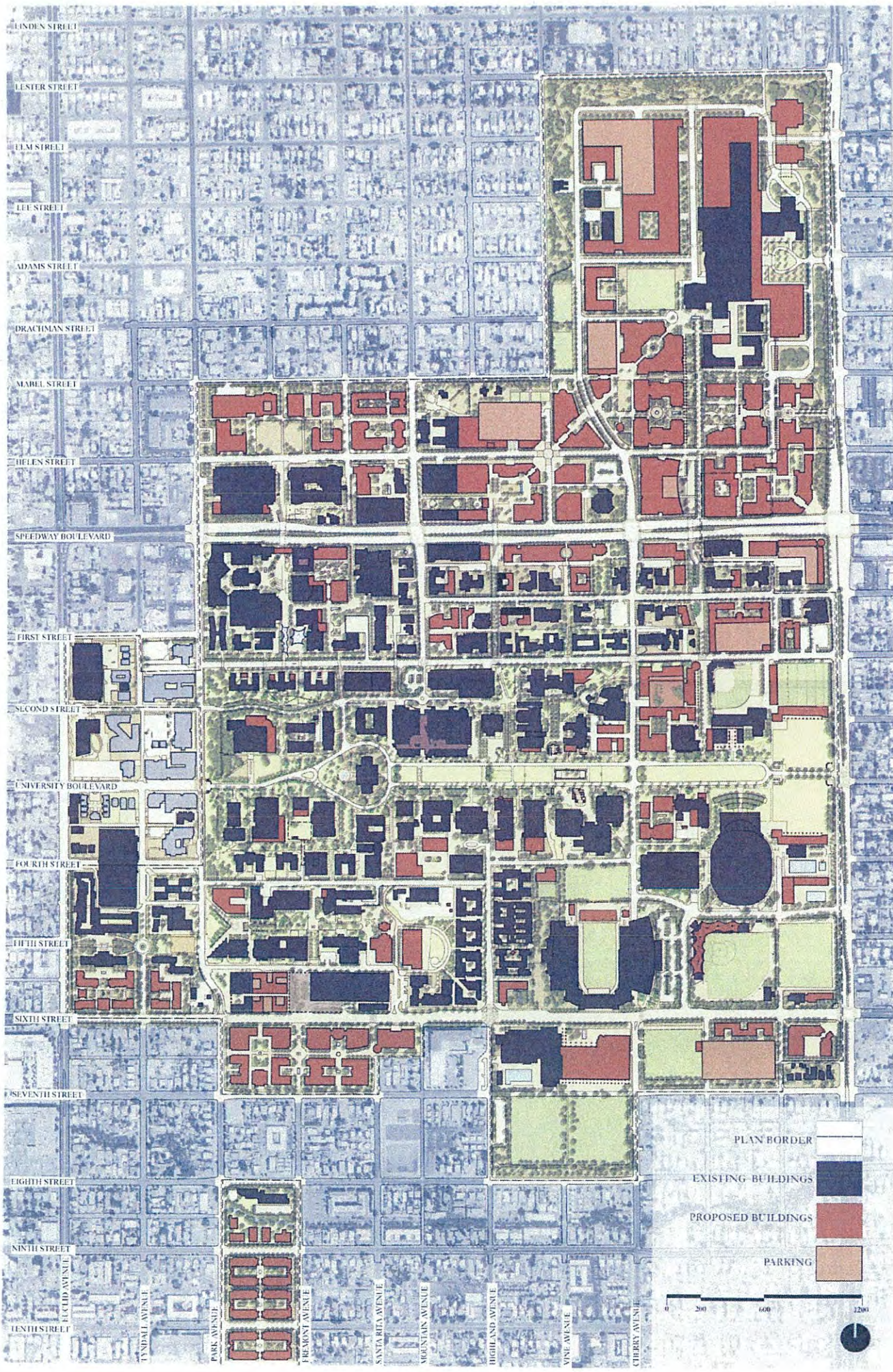
Campus build-out will probably be reached by about 2030, and unless the planning boundaries, and the area served by the campus water system are increased, growth will probably plateau after that. After that, the campus will probably grow vertically, making room for students and staff, but that growth rate would probably be smaller than for the first 25 years.

The above projections reflect an average water use growth rate of about 2.2% per year through 2030. If past experience is any indicator, that growth will not be evenly distributed across those years, but probably occur in spurts. Beyond 2030, the growth rate will probably slow down to an average of 1-1.5% per year. As stated earlier, these projections are based upon current plans and priorities, and are subject to change. However, I believe they represent a realistic projection of future water use for the foreseeable future, given the limited foresight available.

Sincerely,



Mark Alan Marikos
Water Facilities Coordinator



1. PLANNING DOCUMENTS

- a. *Please provide copies of any available documents useful in planning for water needs within your service area, including any water resources plans, land use plans, population projections, and capital improvement plans.*

The University of Arizona's water system is a Public Water system (PWSID 20-423) regulated by the Arizona Department of Environmental Quality (ADEQ). The system supplies potable water and reclaimed water to University facilities on the main campus and the Arizona Health Sciences Center (AHSC) campuses.

The source of water for the system includes eight groundwater wells, eleven principal metered connections to the Tucson Water potable water system, and one reclaimed water metered connection to the Tucson Water system; refer to Figures 2 and 3. The distribution system consists of piping within tunnels and direct buried distribution mains. The system provides potable water to the University facilities, however fire protection water on the campus is provided by the Tucson Water system.

Figure 1 indicates the existing Campus Planning Area Boundary and the area currently serviced the water system. The Comprehensive Campus Plan can be downloaded at http://www.pdc.arizona.edu/resources/documents/UACCP-2009Update_Final_web.pdf and the University's Capital Improvement Plan can be downloaded at http://www.pdc.arizona.edu/resources/documents/Current_CIP.pdf. The Comprehensive Campus Plan indicates that the campus facilities will expand from the current 10.7 gross square feet to approximately 20.6M square feet in the next 20 years.

To meet the planned growth on the campus, near term capital improvements plans for the water system include:

- Replacement of the North Well
- Replacement of the CRB well.
- Construct water storage facilities in the system.
- Construct main line extensions.

2. CURRENT WATER USES

- a. In acre feet per year, how much water do you currently provide to customers within your service area? Please provide a map of your service area.

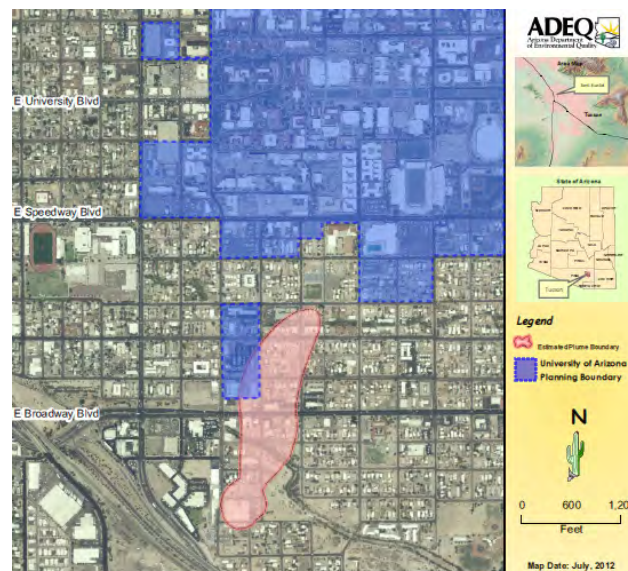
The attached Figure 1 indicates the service area for the University's water system.

Based on records for the period between January 2014 and December 2014, the University supplied the following to their customers:

• Groundwater well production	1,055.58 AF
• Potable water purchased	407.05 AF
• Reclaimed water purchased	201.78 AF
• Total	1,664.41 AF

- b. In acre feet per year, how much water do you serve within the Park – Euclid WQARF Site?

Currently the University does not supply water to any customers within the Park – Euclid WQARF site. For clarity, there is a portion of the Campus Planning area within the WQARF site as indicated below. However the University's water system currently does not extend to this area and the all University customers in this area are served by Tucson Water.



- c. In either percentage or volume, estimate the amount of water currently put to the following end uses:

• Municipal	1,445 AF
• Industrial (Non-municipal)	0 AF
• Agricultural	0 AF
• Turf Irrigation/Landscaping	222 AF
• Recreational	0 AF

- d. Do you currently deliver water for potable use? If so, please provide information regarding the quantity delivered and the number of customers and service connections.

Results for analytical testing of the groundwater and the distribution system did not indicate any parameters exceeding the MCL's. Analytical results are on file with ADEQ.

3. CURRENT WATER SOURCES

- a. How much of the water you provide within your service area is groundwater?

Groundwater well production by University wells in 2014 was 1,055.58 AF. Additionally a portion of the potable water purchased from Tucson Water could be groundwater.

- b. How much of the water you provide within your service area is surface water?

Surface water – 0 AF. The campus utilizes water harvesting for irrigation, however this water is not metered.

- c. How much of the water you provide within your service area is reclaimed water?

Reclaimed water purchased from Tucson Water in 2014 was 201.78 AF

- d. Do you serve water from any other sources?

No.

e. What are other sources of water available to you?

Currently the University receives potable water and reclaimed water through metered connections to the Tucson Water Public Water system. No other water source is available.

f. Do you have a contract for Central Arizona Project water?

Currently the University does not have a contract for Central Arizona Project water.

g. How much of the water you provide in your service area is from wells within the Park – Euclid WQARF Site boundary? Please provide well location coordinates and well construction information for these wells.

There are no University wells within the Park- Euclid WQARF site as defined by the plume indicated on the map provided with the Questionnaire. A map of the University's groundwater wells are indicated on the attached Figure 2. Coordinates are provided on Sheet 2 of Figure 2.

h. How much of the water you provide in your service area is from wells within five miles outside of the Park - Euclid plume boundary? Please provide well location coordinates and well construction information for these wells.

All groundwater production within the University's water system is within 5 miles of the Park- Euclid WQARF plume boundary as define on the map provided with the Questionnaire.

i. In acre feet per year, please provide the groundwater production for each well identified in 3g and 3h above.

Well Name	ADWR No.	2014 Production (AF)
Agriculture (Aggie)	55-618687	126.29
Architectural	55-618691	178.93
CRB	55-528535	0.00
Martin Street	55-618690	218.99
North	55-618688	53.89
Optical Sciences	55-201737	139.62
Park	55-217003	193.94
South	55-618689	143.93

4. IMPAIRED WELLS

- a. Please provide a list of any production wells within your service area that currently produce water that contains contaminants, regardless of the suspected source, and identify the contaminant names and most recent concentrations.

None

- b. Using the provided plume map as a guide, please identify and provide a location for any of your production wells that are downgradient of the Park - Euclid plume boundary.

Potentially all 8 wells.

- c. Using the provided plume map as a guide, please identify and provide a location for any of your production wells that are within one mile outside the Park – Euclid plume boundary.

Well Name	ADWR No.	Approximate Distance from Plume (FT)
Agriculture (Aggie)	55-618687	2,350
Architectural	55-618691	3,850
CRB	55-528535	4,650
Martin Street	55-618690	2,250
Optical Sciences	55-201737	2,850
Park	55-217003	2,175

- d. Please identify any wells that have been shut down due to contamination. For each well, please provide any available information regarding dates and levels of contamination.

None

5. TREATMENT AND DELIVERY SYSTEM

- a. Please describe or provide documents describing any current treatment of the water provided within your service area.

Groundwater is disinfected at the well heads.

b. Please provide a map of your current system.

Please refer to the attached Figures 1 and 2.

c. Are there physical constraints in your system in terms of limited space at well sites or system bottlenecks that would be relevant to well modification, replacement, or treatment?

Yes, land use limitations at the campus well site are very constrained. The existing and planned development within the campus planning area poses a number of issues in regards to expansion of the well sites and for the development of new well site or treatment facilities.

6. FUTURE WATER USES

a. Please describe current land uses in your service area, and any changing land uses that might impact future water needs within your service area.

As indicated above, the Comprehensive Campus projects significant growth within the Campus Planning area.

b. Please describe any past or current changes in your service area that might be predictive of future changes.

As growth on the campus occurs, the active service area for the University's water system will expand to the campus Planning Boundary.

c. Please provide any information about customer growth over time.

The demands for water are directly proportional to the planned growth on the campus.

d. Please describe any current plans for modification or additions to your treatment or delivery systems.

Currently there are no plans to modify or add additional water treatment facilities.

- e. *Do you currently have plans to drill new wells or replace existing wells? Please provide any available information about the planned locations and details of well completion.*

Plans to develop a replacement well for the existing CRB and North wells are being developed. Both wells will be at the same approximately location (within 660' of the existing well).

7. WATER PROVIDER SYSTEM REQUIREMENTS

- a. *Is your delivery system a transportation or distribution system? Please describe.*

The University's potable and reclaimed water systems are distribution systems, conveying water from the sources indicated above to University facilities.

- b. *Are there portions of your service area that are unavailable for location of future wells? Please describe.*

Based on the Comprehensive Campus Plan, locations for new wells that provide adequate maintenance access are very limited.

- c. *Please provide any additional information about unique system requirements that might constrain use of alternative water supplies or water treatment systems.*

Cost of water and the interconnection with the existing water distribution system.

- d. *Are you currently regulated as a Public Water System under the Safe Drinking Water Act?*

The University's water system is regulated as a Public Water System.

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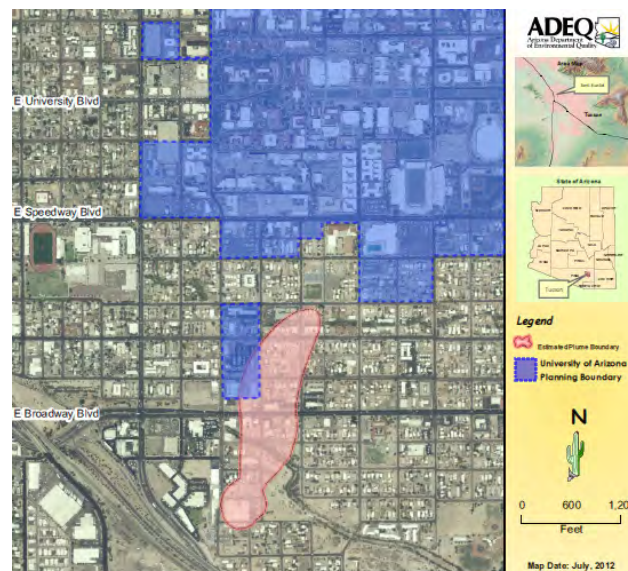
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d. Please describe any current plans for modification or additions to your treatment or delivery systems.

Currently there are no plans to modify or add additional water treatment facilities.

- e. *Do you currently have plans to drill new wells or replace existing wells? Please provide any available information about the planned locations and details of well completion.*

Plans to develop a replacement well for the existing CRB and North wells are being developed. Both wells will be at the same approximately location (within 660' of the existing well).

7. WATER PROVIDER SYSTEM REQUIREMENTS

- a. *Is your delivery system a transportation or distribution system? Please describe.*

The University's potable and reclaimed water systems are distribution systems, conveying water from the sources indicated above to University facilities.

- b. *Are there portions of your service area that are unavailable for location of future wells? Please describe.*

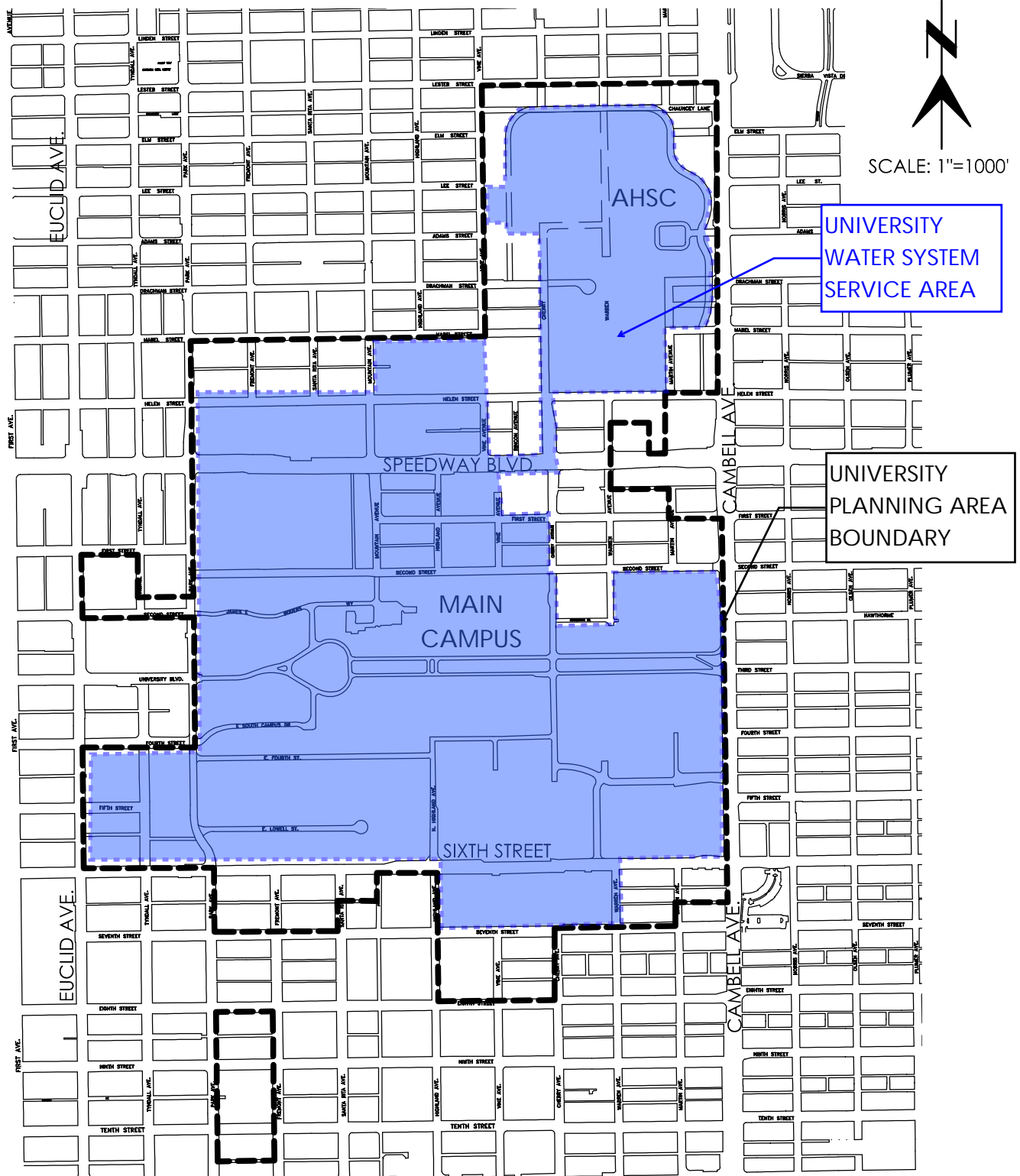
Based on the Comprehensive Campus Plan, locations for new wells that provide adequate maintenance access are very limited.

- c. *Please provide any additional information about unique system requirements that might constrain use of alternative water supplies or water treatment systems.*

Cost of water and the interconnection with the existing water distribution system.

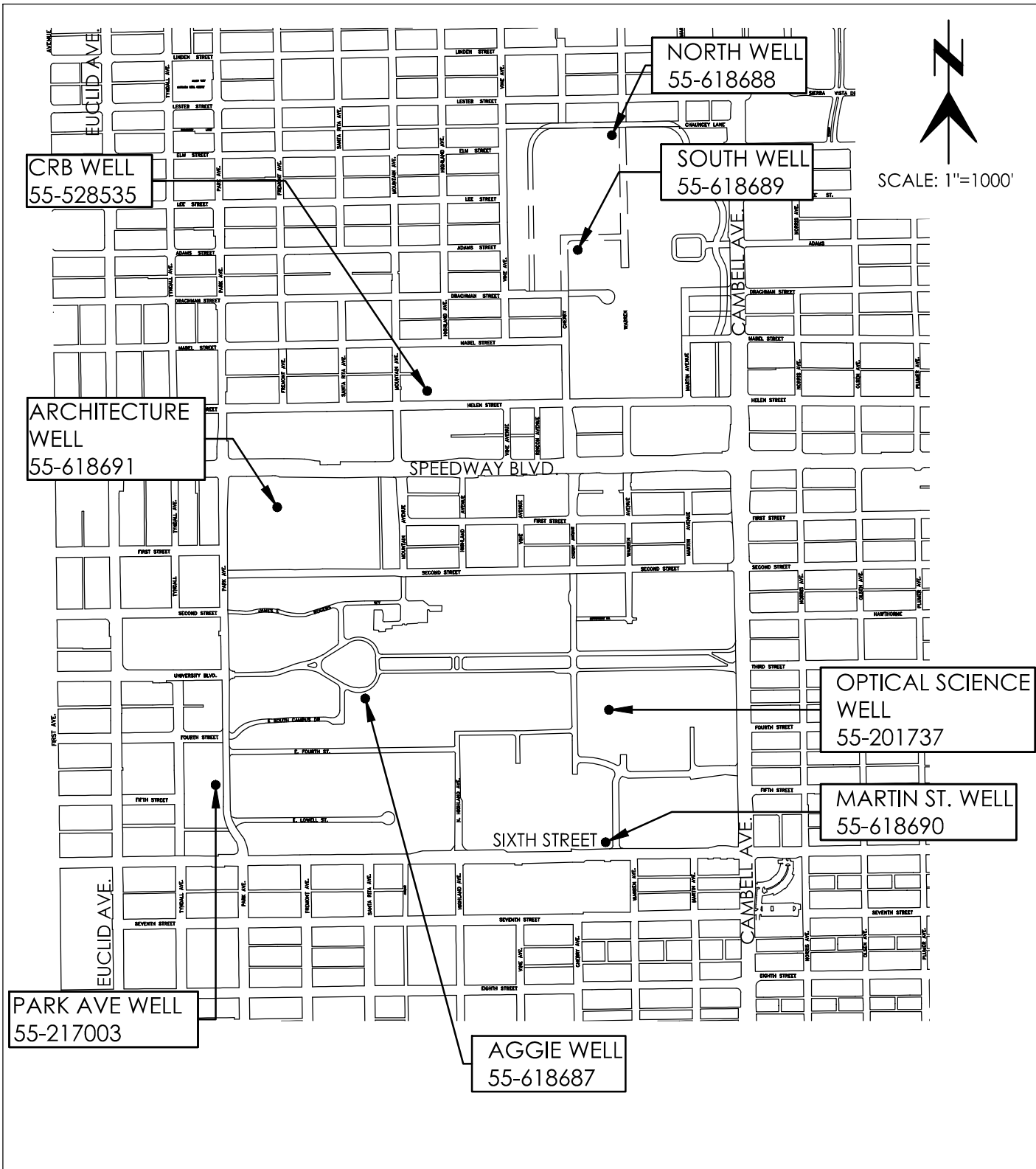
- d. *Are you currently regulated as a Public Water System under the Safe Drinking Water Act?*

The University's water system is regulated as a Public Water System.



THE UNIVERSITY OF ARIZONA
FACILITY MANAGEMENT

FIGURE 1
WATER SYSTEM
SYSTEM MAP



THE UNIVERSITY OF ARIZONA
FACILITY MANAGEMENT

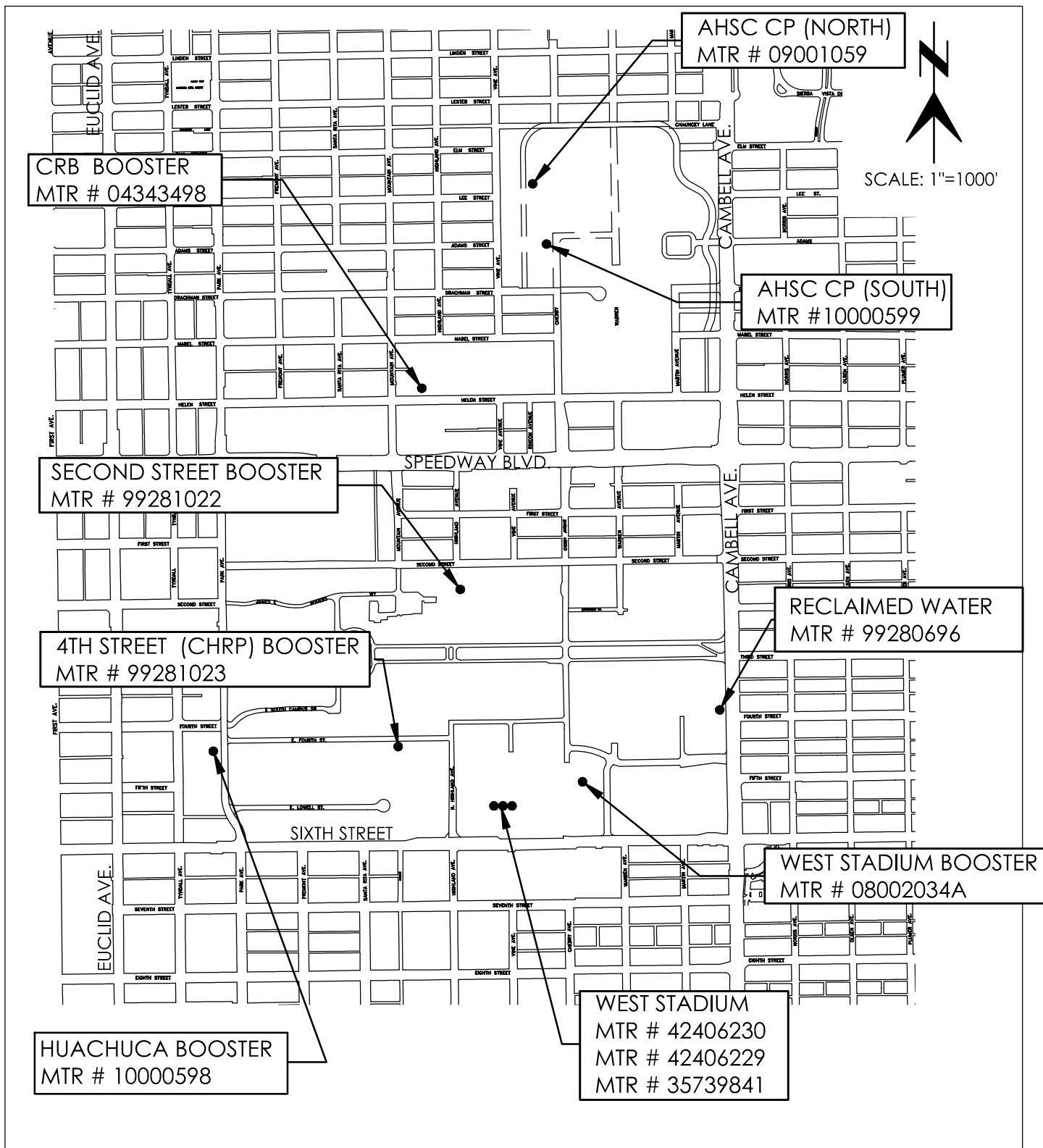
FIGURE 2
WATER SYSTEM
WELL MAP

WELL INFORMATION			
WELL NAME	NO.	LAT	LONG
NORTH	55-618688	32.2431	-110.9471
SOUTH	55-618689	32.2407	-110.9477
OPTICAL SCIENCE	55-201737	32.2308	-110.9469
MARTIN ST.	55-618690	32.2280	-110.9454
AGGIE	55-618687	32.2312	-110.9534
PARK AVE.	55-217003	32.2297	-110.9569
ARCHITECTURE	55-618691	32.2353	-110.9544
CRB	55-5285.35	32.2375	-110.9520



THE UNIVERSITY OF ARIZONA
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FIGURE 2
WATER SYSTEM
WELL MAP
TABLE
SHEET 2 OF 2



THE UNIVERSITY OF ARIZONA
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FIGURE 3
WATER SYSTEM
TUCSON WATER
INTERCONNECTION
SHEET 1 OF 2

TUCSON WATER METER INFORMATION		
NAME	ADDRESS	METER
AHSC CP (NORTH)	1652 N. RING RD	9001059
AHSC CP (SOUTH)	1501 N. CHEERY AVE	10000599
CRB BOOSTER	1331 E. HELEN ST.	4343498
SECOND STREET BOOSTER	1400 E. SECOND ST.	99281022
4TH STREET BOOSTER (CHRP)	1300 4TH ST.	99281023
HUACHUCA BOOSTER	621 N. PARK	10000598
WEST STADIUM	1435 E. 5TH ST. #1	42406230
WEST STADIUM	1435 E. 5TH ST. #2	42406229
WEST STADIUM	1435 E. 5TH ST #3	35739841
WEST STADIUM BOOSTER	525 N. CHERRY AVE.	08002034A
RECLAIMED WATER	601 N. CAMBELL AVE.	99280696



THE UNIVERSITY OF ARIZONA
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FIGURE 3
WATER SYSTEM
TUCSON WATER
INTERCONNECTION TABLE
SHEET 2 OF 2

ATTACHMENT B

SITES Document Rollup**CRITERIA SELECTION**

RECVD/SENT DATE:**TO:****FROM:****LOCATION:** R:%41557%%**ASSOC. TYPES:****SUBJECT:****ORDER BY** HIERARCHY LEVEL

SITES Document Rollup

NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	AGENDA	08/15/2007	LEPAGE, TINA	PALESE, EILEEN J	180543	MEETING NOTICE FOR PARK-EUCLID	R:1-41557;V:9;L:CENTRAL FILES;C:N	Community Involvement
PARK-EUCLID PROJECT (Proj)	AGENDA	11/01/2007	Park-Euclid Wqarf Site Community Advisory Board	LEPAGE, TINA	180526	PARK-EUCLIC (WQARF) CAB -AGENDA FOR 11/14/07 MEETING; MINUTES FOR 8/15/07 CAB MEETING	R:1-41557;V:9;L:CENTRAL FILES;C:N	Community Involvement
PARK-EUCLID PROJECT (Proj)	AGENDA	02/08/2008	Villarreal, Mario	PALESE, EILEEN J	180538	PARK-EUCLID (WQARF) CAB -AGENDA 2/20/08 MEETING; MINUTES FROM 11/14/07	R:1-41557;V:9;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	AGENDA	06/30/2009	Arizona Department Of Environmental Quality	Mission Linen Supply	252123	MISSION/HASKELL MEETING WITH ADEQ	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	AGENDA	01/16/2013	Cab, 7th St Arizona Ave/Pe	OLIVAREZ, DELFINA C	355921	PARK EUCLID CAB MEETIGN AGENDA, SIGN IN SHEET, MINUTES,PRESSENTATION	R:1-41557;V:12;L:CENTRALFILES;C:N	Community Involvement

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	AGENDA	05/23/2013	Cab, 7th St Arizona Ave/Pe	OLIVAREZ, DELFINA C	355922	PARK EUCLID CAB MEETING AGENDA, MINUTES, SIGN IN SHEET, PRESENTATION	R:1-41557;V:12;L:CENTRALFILES;C:N	Community Involvement
PARK-EUCLID PROJECT (Proj)	AGENDA	11/14/2013	OLIVAREZ, DELFINA C	Cab, 7th St Arizona Ave/Pe	355903	PARK EUCLID CAB AGENDA, SIGN IN SHEETS, MINUTES, PRESENTATION	R:1-41557;V:12;L:CENTRALFILES;C:N	Community Involvement
PARK-EUCLID PROJECT (Proj)	AGENDA	05/01/2014	Adeq - Southern Regional Office	Arizona Department Of Environmental Quality	339163	PARK EUCLID WQARF SITE MEETING, PHOENIX OFFICE	R:1-41557;V:13;L:CENTRALFILES;C:N	
PARK-EUCLID PROJECT (Proj)	AGENDA	09/29/2014	Adeq - Southern Regional Office	Adeq - Southern Regional Office	339164	ADEQ - PE GROUP MEETING, PARK EUCLID WQARF SITE, TUCSON, AZ	R:1-41557;V:13;L:CENTRALFILES;C:N	
PARK-EUCLID PROJECT (Proj)	AGENDA	02/14/2017	WAGENSELLER, GRETCHEN A		373480	ADHS EVALUATION OF FUTURE VAPOR INTRUSION AT PARK-EUCLID WQARF SITE	R:41557;V:16;L:CENTRALFILES;C:N	Feasibility Study

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	AGENDA	02/28/2017	Drazek, Joseph A.	WAGENSELLER, GRETCHEN A	373485	ADEQ COMMENTS ON PARK EUCLID WQARF SITE FS - MEETING AGENDA	R:41557; V:16;L:CENTRAL FILES;C:N	Feasibility Study
PARK-EUCLID PROJECT (Proj)	ATTENDANCE RECORD	08/26/2010	Park-Euclid Wqarf Site Community Advisory Board	LEPAGE, TINA	253091	PARK-EUCLID GROUP/ADEQ MEETING	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	CAB APPLICATIONS	08/21/2007	LEPAGE, TINA	PALESE, EILEEN J	180550	PARK-EUCLID WQARF SITE CAB MEMBERSHIP NOTICE	R:1-41557;V:9;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	CAB APPLICATIONS	10/01/2008	PALESE, EILEEN J	Richards, Bill	209778	CAB APPLICATION	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	CAB APPLICATIONS	01/01/2009	PALESE, EILEEN J	Berkompas, Justin	252121	CAB APPLICATION FORM FOR PARK-EUCLID	R:1-41557;V:11;L:CENTRAL FILES;C:N	Community Involvement

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	CAB APPLICATIONS	01/23/2009	PALESE, EILEEN J	Zapata, Josefina	209785	CAB RESIGNATION LETTER	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	CAB APPLICATIONS	05/01/2009	PALESE, EILEEN J	Turchick, Menachem	224213	WQARF MAILING LIST FORM AND CAB MEMBERSHIP APPLICATION	R:1-41557; V:11; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	LEGAL DOCUMENT	10/03/2008	City Of Tucson	Arizona Department Of Environmental Quality	209781	ENVIRONMENTAL ACCESS AGREEMENT PER-14A	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	LEGAL DOCUMENT	11/22/2010	City Of Tucson - Environmental Services	WAGENSELLER, GRETCHEN A	267253	EXTENSION OF ACCESS ACGREEMENTS FOR ADEQ GW WELLS	R:1-41557; V:11; L:CENTRAL FILES; C:N	Ground Water Monitoring, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	LETTER	05/28/2004	DOOLEN, MATT L (MATT)	Boudra, Robert	373518	RESULTS OF AMBIENT AIR SAMPLING AT PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:41557; V:16; L:CENTRAL FILES; C:N	

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	LETTER	12/26/2006	LEPAGE, TINA	Eddy, Freya	180532	PARK-EUCLID WQARF	R:1-41557;V:9;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	10/16/2007	Petersen, Nancy	LEPAGE, TINA	180556	PARK-EUCLID (WQARF) EXTENSION OF ACCESS AGREEMENT FOR ADEQ GROUNDWATER SAMPLING OF MONITOR WELL(VW-1,VW-2,VW-3 ABD PER-25	R:1-41557;V:9;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	02/08/2008	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	209772	PE WQARF SITE CAB AGENDA FOR 2/20/08 MEETING: MINUTES FROM 11/14/07 MEETING	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	LETTER	03/31/2008	Arizona Department Of Environmental Quality	Adwr	187873	ADWR WELL REGISTRATION 55-908768	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation, Permits
PARK-EUCLID PROJECT (Proj)	LETTER	04/28/2008	City Of Tucson - Environmental Services	LEPAGE, TINA	187885	PE WQARF EXTENSION OF ACCESS AGREEMENT FOR ADEQ GW SAMPLING OF MONITOR WELLS (PER-26 & PER-27)	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation, Access Agreement/Easement

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	LETTER	05/22/2008	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	187887	CHANGE IN DATE FOR THE NEXT PE WQARF CAB	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	LETTER	06/13/2008	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	187892	PE WQARF CAB - AGENDA FOR 6/26/08 MEETING: MINUTES FROM 2/20/08 CAB MEETING	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	LETTER	08/03/2008	LEPAGE, TINA	Urs Corp	209773	REVIEW OF FIRST 2008 SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Comments
PARK-EUCLID PROJECT (Proj)	LETTER	09/23/2008	LEPAGE, TINA	Brown And Caldwell	209775	PARK-EUCLID REPORTS	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Comments
PARK-EUCLID PROJECT (Proj)	LETTER	10/17/2008	Adeq-Project Manager - Mel Bunkers	Adwr	209783	ADWR MONITOR WELL PERMIT 55-909799	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation, Permits

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	LETTER	01/15/2009	Geotrans Inc	LEPAGE, TINA	224207	CONTRACTOR PERFORMANCE REPORT	R:1-41557; V:11; L:CENTRAL FILES; C:N	Remedial Investigation, Contractor/Task Assignment Issues
PARK-EUCLID PROJECT (Proj)	LETTER	01/30/2009	Geotrans Inc	ROCHA, BOB (BOB)	224211	WORK STOPPAGE	R:1-41557; V:11; L:CENTRAL FILES; C:N	Remedial Investigation, Contractor/Task Assignment Issues
PARK-EUCLID PROJECT (Proj)	LETTER	02/02/2009	Geotrans Inc	ROCHA, BOB (BOB)	209787	WQARF STOP WORK NOTICE	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Special
PARK-EUCLID PROJECT (Proj)	LETTER	02/10/2009	University Of Arizona - Risk Management Services	PALESE, EILEEN J	209794	PE WQARF SITE CAB AGENDA FOR 2/18/09 MEETING; MINUTES FROM 9/10/08 CAB MEETING	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	LETTER	03/19/2009	Zapata, Josefina	PALESE, EILEEN J	209796	CERTIFICATE OF APPRECIATION	R:1-41557; V:10; L:CENTRAL FILES; C:N	Community Involvement

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	LETTER	04/03/2009	Union Pacific Railroad Company	Park-Euclid Wqarf Site Community Advisory Board	209798	CAB INVITES UPRR TO JUNE 10TH MEETING	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	LETTER	04/14/2009	Palliser, Tom	Turchick, Jacky	224212	CAB INVITATION	R:1-41557; V:11; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	LETTER	05/19/2009	Villarreal, Mario	PALESE, EILEEN J	224214	CHANGE IN DATE OF NEXT PE WQARF CAB	R:1-41557; V:11; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	LETTER	10/28/2010	Drazek, Joseph A.	WAGENSELLER, GRETCHEN A	253564	PARK-EUCLID WORK PLAN FOR LONG TERM MONITORING DATED OCTOBER 6, 2010	R:1-41557; V:11; L:CENTRAL FILES; C:N	Operation and Maintenance, Early Response Action/Interim Remedy, Permits
PARK-EUCLID PROJECT (Proj)	LETTER	11/12/2010	Drazek, Joseph A.	WAGENSELLER, GRETCHEN A	267805	P-E ACCESS CORRECTIONS	R:1-41557; V:11; L:CENTRAL FILES; C:N	Well Installation/Abandonment, Access Agreement/Easement

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	LETTER	11/29/2010	WAGENSELLER, GRETCHEN A	Boudra, Robert (Urs Corporation)	267755	ADEQ COMMENTS OF URS WORK PLAN	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Work Plan
PARK-EUCLID PROJECT (Proj)	LETTER	12/01/2010	City Of Tucson - Environmental Services	WAGENSELLER, GRETCHEN A	267432	PARK-EUCLID SITE-- ACCESS TO CITY WELLS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	LETTER	12/07/2010	WAGENSELLER, GRETCHEN A	City Of Tucson - Environmental Services	268597	REVIEW ADEQ ENVIRONMENTAL ACCESS AGREEMENT DRAFT DEC 2010	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	LETTER	12/08/2010	Boudra, Robert (Urs Corporation)	WAGENSELLER, GRETCHEN A	267792	ADEQ RESPONSE TO URS RESPONSE TO COMMENTS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Work Plan
PARK-EUCLID PROJECT (Proj)	LETTER	01/21/2011	Boudra, Robert	WAGENSELLER, GRETCHEN A	270039	PARK-EUCLID WORK PLAN FOR LONG TERM MONITORING, DATED NOV 19, 2010	R:1-41557;V:11;L:CENTRAL FILES;C:N	Approval, Ground Water Monitoring, Work Plan

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	LETTER	01/21/2011	Boudra, Robert (Urs Corporation)	WAGENSELLER, GRETCHEN A	270038	PARK-EUCLID WORK PLAN EXTRACTION SYSTEM DATED JAN 3, 2011	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Approval, Work Plan
PARK-EUCLID PROJECT (Proj)	LETTER	09/19/2011	Drazek, Joseph A.	ELLETT, BILL J (BILL)	267795	GRANT RIGHT OF ENTRY TO ADEQ WELLS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Ground Water Monitoring, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	LETTER	11/30/2011	Davis-Monthan Air Force Base	WALLIN, ROBERT	339104	REQUEST FOR CONCURRENCE OF DISPOSAL OF SOILS FROM THE TUCSON DRAINAGE PROJECT SITE	R:1-41557;V:13;L:CENTRAL FILES;C:N ARMY CORP OF ENGINEERS	
PARK-EUCLID PROJECT (Proj)	LETTER	01/18/2012	Young, Anthony E.	Drazek, Joseph A.	339115	PARK-EUCLID WQARF SITE/SAMPLE RESULTS FOR PER-14A	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	05/22/2012	Drazek, Joseph A.	Young, Anthony E.	339110	YOUR JANUARY 18, 2012 LETTER AND URS TECHNICAL MEMORANDUM, JANUARY 17, 2012 REGARDING RECENT DATA FROM MONITOR WELL PER-14A	R:1-41557;V:13;L:CENTRAL FILES;C:N	

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	LETTER	06/11/2012	Urs Corporation	WALLIN, ROBERT	339198	COMMENTS ON WORK PLAN, FEASIBILITY STUDY & ASSOCIATED ACTIVITIES, PARK-EUCLID WQARF SITE, TUCSON, AZ, MAY 9, 2012	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	08/07/2012	WALLIN, ROBERT	Urs Corporation	339111	RESPONSE TO ADEQ COMMENTS ON THE WORK PLAN FOR FEASIBILITY STUDY & ASSOCIATED ACTIVITIES, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA DATED MAY 9, 2012	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	10/02/2012	Adeq - Southern Regional Office	Tetra Tech Em Inc.	339108	DRAFT RESPONSE TO URS WORK PLAN AND RESPONSE TO ADEQ COMMENTS ON THE WORK PLAN FOR FEASIBILITY STUDY & ASSOCIATED ACTIVITIES, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	10/09/2012	Urs Corporation	WALLIN, ROBERT	339113	COMMENTS ON URS RESPONSE TO ADEQ COMMENTS, WORK PLAN, FEASIBILITY STUDY & ASSOCIATED ACTIVITIES, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA, DATED MAY 9, 2012	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	11/26/2012	Urs Corporation	WALLIN, ROBERT	339114	ADDITIONAL COMMENTS ON URS RESPONSE TO ADEQ COMMENTS, WORK PLAN, FEASIBILITY STUDY & ASSOCIATED ACTIVITIES, PARK-EUCLID WQARF SITE,	R:1-41557;V:13;L:CENTRAL FILES;C:N	

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						TUCSON, ARIZONA, DATED MAY 9, 2012		
PARK-EUCLID PROJECT (Proj)	LETTER	01/03/2013	Cab, 7th St Arizona Ave/Pe	OLIVAREZ, DELFINA C	355913	PARK EUCLID CAB INFORMATION FOR UPCOMING CAB MEETING ON 01/16/2013	R:1- 41557;V:12;L:CENTRALFI LES;C:N SENT TO CAB MEMBERS ONLY	Community Involvement
PARK-EUCLID PROJECT (Proj)	LETTER	01/23/2013	Urs Corporation	WALLIN, ROBERT	339121	APPROVAL OF RECOMMENDED MONITORING CHANGES, SECTION 5.2,2ND SEMI-ANNUAL REPORT FOR LONG TERM MONITORING, SECOND 2012 EVENT, DATED OCTOBER 29, 2012, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1- 41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	01/24/2013	Urs Corporation	WALLIN, ROBERT	339118	APPROVAL OF FEASIBILITY STUDY WORK PLAN, DATED JANUARY 7, 2013, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1- 41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	03/15/2013	Drazek, Joseph A.	WALLIN, ROBERT	339117	PARK-EUCLID WQARF REGISTRY SITE, TUCSON, ARIZONA	R:1- 41557;V:13;L:CENTRAL FILES;C:N	

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	LETTER	03/21/2013	WALLIN, ROBERT	Drazek, Joseph A.	339124	PARK-EUCLID GROUP/REQUEST FOR APPROVAL OF FEASIBILITY OF STUDY WORK PLAN	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	04/05/2013	Urs Corporation	WALLIN, ROBERT	339126	PARK-EUCLID GROUP/REQUEST FOR APPROVAL OF FEASIBILITY STUDY WORK PLAN	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	06/17/2013	Drazek, Joseph A.	WALLIN, ROBERT	339125	APPROVAL OF FEASIBILITY STUDY WORK PLAN, DATED JANUARY 5, 2013, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	06/21/2013	WALLIN, ROBERT	Urs Corporation	339116	REVISED WORK PLAN FOR FEASIBILITY STUDY AND ASSOCIATED ACTIVITIES, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	08/16/2013	WALLIN, ROBERT	Urs Corporation	339128	SEMI-ANNUAL REPORT FOR LONG TERM MONITORING FIRST 2013 EVENT, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1-41557;V:13;L:CENTRAL FILES;C:N WITH CD	

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PARK-EUCLID PROJECT (Proj)	LETTER	01/10/2014	Urs Corporation	GREEN, SCOTT R	339135	PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE, SEMI ANNUAL REPORT FOR LONG TERM MONITORING - 1ST 2013 EVENT DATED 8/14/13, PRODUCED BY URS CORP FOR THE PARK-EUCLID GROUP	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	01/27/2014	Urs Corporation	GREEN, SCOTT R	339136	PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE, SUMMARY OF 3RD QTR 2013 OPERATION AND SAMPLING FOR MULTI-PHASE EXTRACTION (MPE) SYSTEM EARLY RESPONSE ACTION (ERA), DATED 12/20/13, PRODUCED BY URS CORP FOR THE PARK-EUCLID GROUP	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	02/10/2014	GREEN, SCOTT R	Urs Corporation	339137	RESPONSE TO ADEQ COMMENTS DATED 1/2/14, PARK-EUCLID WATER QUALITY ASSURANCE FUND SITE, PERCHED AQUIFER BIOAUGMENTATION STUDY WORK PLAN DATED 12/6/13	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	04/02/2014	GREEN, SCOTT R	Drazek, Joseph A.	339138	SEMI ANNUAL REPORT FOR LONG TERM MONITORING SECOND 2013 EVENT PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE; TUCSON, ARIZONA	R:1-41557;V:13;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	LETTER	04/15/2014	GREEN, SCOTT R	Drazek, Joseph A.	339140	TECHNICAL MEMORANDUM GROUNDWATER MODELING STATUS, PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE; TUCSON, AZ	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	04/29/2014	GREEN, SCOTT R	Urs Corporation	339141	RESPONSE TO ADEQ COMMENTS ON THE SEMI ANNUAL REPORT FOR LONG TERM MONITORING SECOND 2013 EVENT, PARK - EUCLID WQARF SITE, TUCSON, ARIZONA DATED 2/18/14	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	06/24/2014	Drazek, Joseph A.	GREEN, SCOTT	339143	REVISED WORK PLAN FOR REGIONAL AQUIFER MONITORING WELL INSTALLATION, PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE, TUCSON, AZ	R:1-41557;V:13;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Work Plan
PARK-EUCLID PROJECT (Proj)	LETTER	07/07/2014	Drazek, Joseph A.	GREEN, SCOTT R	339144	LOWER VADOSE ZONE, SOIL VAPOR EXTRACTION EARLY RESPONSE ACTION, PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE; TUCSON, AZ	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	08/25/2014	Urs Corporation	WAGENSELLER, GRETCHEN A	339145	PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE, 2014 ANNUAL REPORT FOR LONG TERM MONITORING - DATED 07/28/14, PRODUCED BY URS CORP FOR THE PARK-EUCLID GROUP	R:1-41557;V:13;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	LETTER	09/26/2014	Urs Corporation	MATAS, RANDALL R (RANDALL)	339146	RESPONSE TO REQUEST FOR CONTAINED-IN DETERMINATION FOR WASTE FROM REGIONAL MONITOR WELL INSTALLATION, PARK-EUCLID WQARF SITE, TUCSON	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	10/03/2014	Urs Corporation	WAGENSELLER, GRETCHEN A	339147	PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE; HUMAN HEALTH RISK ASSESSMENT FOR THE FEASIBILITY STUDY AND ASSOCIATED ACTIVITIES, PARK EUCLID WQARF SITE, TUCSON, ARIZONA, DATED 09/23/14	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	10/03/2014	Urs Corporation	WAGENSELLER, GRETCHEN A	339148	PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE, SUMMARY OF PERCHED AQUIFER GROUNDWATER BIOTREATABILITY BENCH-SCALE TEST PARK EUCLID WQARF SITE, 301 SOUTH PARK AVENUE, TUCSON, AZ, 9/18/14	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	10/20/2014	WAGENSELLER, GRETCHEN A	Urs Corporation	339130	RESPONSE TO ADEQ COMMENTS ON THE TECHNICAL MEMO OF HUMAN HEALTH RISK ASSESSMENT FOR FEASIBILITY STUDY AND ASSOCIATED ACTIVITIES, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA AND DATED 9/23/14	R:1-41557;V:13;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	LETTER	10/20/2014	WAGENSELLER, GRETCHEN A	Urs Corporation	339149	RESPONSE TO ADEQ COMMENTS ON THE TECHNICAL MEMO OF HUMAN HEALTH RISK ASSESSMENT FOR FEASIBILITY STUDY AND ASSOCIATED ACTIVITIES, PARK-EUCLID WQARF SITE, TUCSON, AZ DATED 9/23/14	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	11/05/2014	Urs Corporation	WAGENSELLER, GRETCHEN A	339134	PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE; PARK-EUCLID GROUP/URS RESPONSE LETTER DATED OCTOBER 20, 2014, TO ADEQ COMMENTS ON THE TECHNICAL MEMO OF HUMAN HEALTH RISK ASSESSMENT FOR FEASIBILITY STUDY AND ASSOCIATED ACTIVITIES, PARK-EUCLID SITE, TUCSON, ARIZONA, DATED 9/23/2014	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	12/02/2014	Urs Corporation	WAGENSELLER, GRETCHEN A	339150	PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE; HUMAN HEALTH RISK ASSESSMENT FOR FEASIBILITY STUDY AND ASSOCIATED ACTIVITIES, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA, DATED 11/17/2014, PREPARED BY URS CORP FOR THE PARK-EUCLID GROUP	R:1-41557;V:13;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	LETTER	12/03/2014	WAGENSELLER, GRETCHEN A	Urs Corporation	339151	TECHNICAL MEMO OF HUMAN HEALTH RISK ASSESSMENT FOR FEASIBILITY STUDY AND ASSOCIATED ACTIVITIES, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA, DATED 11/17/14	R:1-41557;V:13;L:CENTRAL FILES;C:N WITH CD	
PARK-EUCLID PROJECT (Proj)	LETTER	04/10/2015	WAGENSELLER, GRETCHEN A	Drazek, Joseph A.	339152	PARK-EUCLID WQARF SITE/PRELIMINARY DRAFT FEASIBILITY STUDY REPORT	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	04/10/2015	WAGENSELLER, GRETCHEN A	Drazek, Joseph A.	356676	PARK-EUCLID WQARF SITE--PRELIMINARY DRAFT FEASIBILITY STUDY REPORT	R:1-41557;V:16;L:CENTRAL FILES;C:N	Feasibility Study
PARK-EUCLID PROJECT (Proj)	LETTER	10/29/2015	Urs Corporation	WAGENSELLER, GRETCHEN A	356678	PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE--2015 ANNUAL REPORT FOR LONG-TERM MONITORING, DATED OCTOBER 6, 2015, PRODUCED BY URS CORPORATION FOR THE PARK-EUCLID GROUP	R:1-41557;V:16;L:CENTRAL FILES;C:N	Ground Water Monitoring, Comments
PARK-EUCLID PROJECT (Proj)	LETTER	11/12/2015	WAGENSELLER, GRETCHEN A	Urs Corporation	356679	COMMENTS FROM THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY IN A LETTER TO URS CORPORATION DATED OCTOBER 29, 2015	R:1-41557;V:16;L:CENTRAL FILES;C:N	Ground Water Monitoring, Response to Comments

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PARK-EUCLID PROJECT (Proj)	LETTER	01/13/2016	WAGENSELLER, GRETCHEN A	Urs Corporation	356681	PROPOSED MAINTENANCE TO ADEQ MONITORING WELLS IN THE PARK-EUCLID WQARF SITE GROUNDWATER MONITORING NETWORK	R:1-41557;V:16;L:CENTRAL FILES;C:N	Operation and Maintenance
PARK-EUCLID PROJECT (Proj)	LETTER	01/19/2016	Urs Corporation	WAGENSELLER, GRETCHEN A	356683	PROPOSED MAINTENANCE TO ADEQ MONITORING WELLS IN THE PARK-EUCLID WQARF SITE GROUNDWATER MONITORING NETWORK (LETTER DATED JANUARY 13, 2016)	R:1-41557;V:16;L:CENTRAL FILES;C:N	Operation and Maintenance
PARK-EUCLID PROJECT (Proj)	LETTER	03/09/2016	Drazek, Joseph A.	Urs Corporation	356687	PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND SITE--DISCUSSION OF PROPOSED BENEFICIAL USE OF EXTRACTED GROUNDWATER	R:1-41557;V:16;L:CENTRAL FILES;C:N	Feasibility Study
PARK-EUCLID PROJECT (Proj)	LETTER	04/28/2016	WAGENSELLER, GRETCHEN A	Drazek, Joseph A.	356689	PARK-EUCLID GROUP-REQUEST FOR APPROVAL OF FEASIBILITY STUDY REPORT	R:1-41557;V:16;L:CENTRAL FILES;C:N	Feasibility Study
PARK-EUCLID PROJECT (Proj)	LETTER	12/15/2016	Drazek, Joseph A.	WAGENSELLER, GRETCHEN A	373474	PARK-EUCLID WQARF SITE - DRAFT FINAL FS REPORT, PREPARED FOR PARK-EUCLID GROUP BY URS DATED APRIL 28, 2016	R:41557;V:16;L:CENTRAL FILES;C:N	Feasibility Study

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PARK-EUCLID PROJECT (Proj)	LETTER	01/06/2017	ABALOS, BARBARA		373476	ADHS COMMENTS ON FS REPORT FUTURE VAPOR INTRUSION RISK	R:41557; V:16;L:CENTRAL FILES;C:N	Feasibility Study
PARK-EUCLID PROJECT (Proj)	LETTER	02/27/2017	Drazek, Joseph A.	WAGENSELLER, GRETCHEN A	373458	PARK-EUCLID WATER QUALITY ASSURANCE REVOLVING FUND (WQARF) SITE - DRAFT FINAL FEASIBILITY STUDY REPORT, PREPARED FOR PARK-EUCLID GROUP BY URS APRIL 28, 2016	R:41557;V:16;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	04/21/2017	Drazek, Joseph A.	WAGENSELLER, GRETCHEN A	373488	PARK-EUCLID WQARF SITE - URS MARCH 26,2017 LETTER "SUMMARY OF MEETING DECISIONS AND PATH FORWARD CONCERNING ADEQ COMMENTS ON THE DRAFT FINAL FS REPORT	R:41557; V:16;L:CENTRAL FILES;C:N	Feasibility Study
PARK-EUCLID PROJECT (Proj)	LETTER	05/24/2017	WAGENSELLER, GRETCHEN A	Boudra, Robert	373461	SUMMARY REPORT, LOWER VADOSE ZONE SOIL VAPOR EXTRACTION EARLY RESPONSE ACTION, PARK-EUCLID WQARD SITE, TUCSON, AZ	R:41557; V:16;L:CENTRAL FILES;C:N FILE INCLUDES A CD	
PARK-EUCLID PROJECT (Proj)	LETTER	11/03/2017	WAGENSELLER, GRETCHEN A	Boudra, Robert	373460	SUMMARY OF MEETING DECISIONS AND PATH FORWARD CONCERNING ADEQ COMMENTS ON THE DRAFT FINAL FS REPORT FOR PARK-EUCLID WQARF SITE, TUCSON, AZ	R:41557; V:16;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	LETTER	11/03/2017	WAGENSELLER, GRETCHEN A	Drazek, Joseph A.	373512	DANDY 9TH LLC	R:41557; V:16;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	11/14/2017	Drazek, Joseph A.	TITUS, TOM (TOM)	373817	FEASIBILITY STUDY APPROVAL, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:41557; V:20;L:CENTRAL FILES;C:N	Feasibility Study
PARK-EUCLID PROJECT (Proj)	LETTER	12/14/2017	TITUS, TOM (TOM)	Drazek, Joseph A.	374552	PARK-EUCLID WQARF SITE, TUCSON ARIZONA - PRAP SCHEDULE REQUEST	R:41557; V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	02/26/2018	Boudra, Robert	TITUS, TOM (TOM)	376189	COMMENTS ON LOWER VADOSE ZONE SOIL VAPOR MONITORING WELL INSTALLATION WORK PLAN	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	03/12/2018	Drazek, Joseph A.	TITUS, TOM (TOM)	376500	ADEQ RESPONSE FOR ACTION ITEMS FROM 2/27/2018 MEETING	R:41557;V:20;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	LETTER	03/29/2018	TITUS, TOM (TOM)	Drazek, Joseph A.	378215	PARK-EUCLID WQARF SITE	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	04/02/2018	Drazek, Joseph A.	TITUS, TOM (TOM)	378216	PARK-EUCLID - ADEQ RESPONSE FOR ACTION ITEMS FROM FEBRUARY 27, 2018 MEETING	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	04/24/2018	Boudra, Robert	TITUS, TOM (TOM)	378219	LVZ ERA WORKPLAN ADDENDUM	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	05/09/2018	Boudra, Robert	TITUS, TOM (TOM)	378220	RE: PARK-EUCLID - SUPPLEMENTAL CHARACTERIZATION WORK PLAN	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	08/29/2018	Arizona Department Of Environmental Quality	Boudra, Robert	381558	PRELIMINARY RESULTS FROM POST DEVELOPMENT SAMPLING OF SUPPLEMENTARY CHARACTERIZATION PERCHED AQUIFER MONITORING WELLS	R:41557;V:20;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	LETTER	12/27/2018	Arizona Department Of Environmental Quality	Boudra, Robert	385670	PRELIMINARY PERCHED AQUIFER RESULTS FROM SUPPLEMENTARY REMEDIAL DESIGN CHARACTERIZATION AND LONG-TERM MONITORING	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	01/02/2019	Boudra, Robert	TITUS, TOM (TOM)	385671	REVIEW OF PRELIMINARY SUPPLEMENTAL INVESTIGATION RESULTS	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	03/14/2019	TITUS, TOM (TOM)	Boudra, Robert	386986	RESULTS FROM ADDITIONAL SUPPLEMENTARY CHARACTERIZATION AND LONG TERM MONITOIRNG	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	08/21/2019	TITUS, TOM (TOM)	Urs	392095	PERCHED AQUIFER CHARACTERIZATION RESULTS	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	08/29/2019	Drazek, Joseph A.	TITUS, TOM (TOM)	392096	PERCHED AQUIFER CHARACTERIZATION COMPLETE LETTER	R:41557;V:20;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	LETTER	08/30/2019	Pima County	Urs	392097	NOTIFICATION OF SVE UNIT PERMIT DEVIATION ATO#6230	R:41557;V:20;L:CENTRA L FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	09/30/2019	Pima County	Boudra, Robert	394098	ANNUAL SVE SYSTEM COMPLIANCE CERTIFICATION	R:41557;V:20;L:CENTRA L FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	10/04/2019	Boudra, Robert	Pima County	394100	AIR QUALITY PERMIT #6230	R:41557;V:20;L:CENTRA L FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	01/27/2020	Drazek, Joseph A.	TITUS, TOM (TOM)	396387	ADEQ COMMENTS ON DRAFT PRAP	R:41557;V:20;L:CENTRA L FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	01/27/2020	Drazek, Joseph A.	TITUS, TOM (TOM)	400992	ADEQ COMMENTS ON DRAFT PRAP	R:41557;V:21;L:CENTRA L FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	LETTER	05/22/2020	TITUS, TOM (TOM)	Drazek, Joseph A.	400993	REQUEST FOR APPROVAL OF PRAP	R:41557;V:21;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	LETTER	06/04/2020	Drazek, Joseph A.	TITUS, TOM (TOM)	400994	ADEQ APPROVAL OF PRAP	R:41557;V:21;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEETING MINUTES	12/06/2006	LEPAGE, TINA	PALESE, EILEEN J	180539	FINAL MINUTES OF THE PARK-EUCLID WQARF SITE CAB MEETING	R:1-41557;V:9;L:CENTRAL FILES;C:N	Community Involvement
PARK-EUCLID PROJECT (Proj)	MEETING MINUTES	04/25/2007	LEPAGE, TINA	PALESE, EILEEN J	180542	PARK-EUCLID WQARF DRAFT MINUTES	R:1-41557;V:9;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEETING MINUTES	11/14/2007	LEPAGE, TINA	PALESE, EILEEN J	180530	DRAFT MINUTES OF THE PARK-EUCLID (WQARD) AND CAB MEETING	R:1-41557;V:9;L:CENTRAL FILES;C:N	Community Involvement

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PARK-EUCLID PROJECT (Proj)	MEETING MINUTES	06/12/2008	LEPAGE, TINA	PALESE, EILEEN J	187872	PE WQARF SITE CAB MEETING - 34TH MEETING DRAFT MINUTES	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	MEETING MINUTES	02/10/2009	Adeq-Project Manager - Mel Bunkers	PALESE, EILEEN J	209789	DRAFT MINUTES OF THE PE WQARF CAB MEETING - 36TH MEETING	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj)	MEETING MINUTES	06/30/2009	LEPAGE, TINA	Drazek, Joseph A.	224215	ATTENDANCE LIST OF MEETING PARTICIPANTS JUNE 30, 2009 MEETING	R:1-41557; V:11; L:CENTRAL FILES; C:N	Remedial Investigation
PARK-EUCLID PROJECT (Proj)	MEETING MINUTES	03/10/2010	Park-Euclid Wqarf Site Community Advisory Board	ELLETT, BILL J (BILL)	252464	DRAFT MINUTES FROM THE PUBLIC MEETING OF PARK-EUCLID	R:1-41557; V:11; L:CENTRAL FILES; C:N	Community Involvement
PARK-EUCLID PROJECT (Proj)	MEETING MINUTES	05/08/2015	WAGENSELLER, GRETCHEN A	WAGENSELLER, GRETCHEN A	356662	PARK-EUCLID WQARF SITE MEETING TO DISCUSS ADEQ QUESTIONS REGARDING THE PARK-EUCLID GROUP'S DRAFT FEASIBILITY STUDY REPORT	R:1-41557; V:16; L:CENTRAL FILES; C:N	Feasibility Study

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PARK-EUCLID PROJECT (Proj)	MEMO	10/24/2000	WAGENSELLER, GRETCHEN A	FULTON, MIKE A (MIKE)	252100	INDEMNITY-ACCESS AGREEMENTS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Access Agreement/Easement, Liability Issues
PARK-EUCLID PROJECT (Proj)	MEMO	11/02/2000	MCNEELY, PHILIP A	Hinds, Frank (Arizona Department Of Administration - Risk Management Section)	252113	CITY OF TUCSON, INDEMNIFICATION	R:1-41557;V:11;L:CENTRAL FILES;C:N	Access Agreement/Easement, Liability Issues
PARK-EUCLID PROJECT (Proj)	MEMO	04/04/2008	LEPAGE, TINA	Geotrans Inc	187875	PE WQARF ANALYSIS OF DATA GAPS	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation
PARK-EUCLID PROJECT (Proj)	MEMO	04/18/2008	LEPAGE, TINA	Geotrans Inc	187876	PE WQARF GROUNDWATER SURFACE CONTOUR MAPS	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation
PARK-EUCLID PROJECT (Proj)	MEMO	06/16/2008	LEPAGE, TINA	Geotrans Inc	187894	REVIEW OF PREVIOUS MALCOLM PIRNIE GROUNDWATER MODELING PE WQARF SITE	R:1-41557; V:10; L:CENTRAL FILES; C:N	Feasibility Study, Modeling

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PARK-EUCLID PROJECT (Proj)	MEMO	09/25/2008	Urs Corporation	Adwr	224205	SUMMARY OF START-UP AND 2ND QUARTER 2008 OPERATION AND SAMPLING MISSION LINEN MPE SYSTEM	R:1-41557; V:11; L:CENTRAL FILES; C:N	Operation and Maintenance, Early Response Action/Interim Remedy
PARK-EUCLID PROJECT (Proj)	MEMO	11/18/2008	Urs Corporation	Arizona Department Of Water Resources -Tucson Active Management Area Office	224206	SUMMARY OF START-UP AND 3RD QUARTER OPERATION AND SAMPLING FOR MISSION LINEN MPE SYSTEM	R:1-41557; V:11; L:CENTRAL FILES; C:N	Operation and Maintenance, Early Response Action/Interim Remedy
PARK-EUCLID PROJECT (Proj)	MEMO	06/23/2010	LEPAGE, TINA	Drazek, Joseph A. (Quarles & Brady)	253088	ADEQ INFORMATION REQUEST TO MISSION LINEN	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	10/09/2010	WAGENSELLER, GRETCHEN A	KAFURA, CRAIG	254138	PARK-EUCLID MULTI-PHASE EXTRACTION WORK PLAN-FINAL COMMENTS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	MEMO	10/14/2010	WAGENSELLER, GRETCHEN A	Boudra, Robert (Urs Corp)	253179	PARK-EUCLID WQARF SITE-NEW ADEQ PROPERTY MANAGER-URS	R:1-41557;V:11;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	MEMO	10/19/2010	WAGENSELLER, GRETCHEN A	KAFURA, CRAIG	253563	WORKPLAN FOR LONG-TERM MONITORING-PARK-EUCLID SITE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Agreement (unspecified type), Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	MEMO	11/01/2010	Drazek, Joseph A. (Quarles & Brady)	WAGENSELLER, GRETCHEN A	253778	ACCESS AND SAMPLING-YOUR QUESTION	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	11/01/2010	WAGENSELLER, GRETCHEN A	Drazek, Joseph A. (Quarles & Brady)	253777	ACCESS AND SAMPLING-YOUR QUESTION	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	11/01/2010	WAGENSELLER, GRETCHEN A	KAFURA, CRAIG	253785	PARK-EUCLID WQARF SITE-URS LONG-TERM MONITORING WORK PLAN-ADEQ COMMENTS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Ground Water Monitoring, Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	MEMO	11/02/2010	Boudra, Robert	KAFURA, CRAIG	253787	PARK-EUCLID WQARF-URS LONG TEAM MONITORING WORK PLAN -ADEQ COMMENTS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Comments, Work Plan

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PARK-EUCLID PROJECT (Proj)	MEMO	11/02/2010	Drazek, Joseph A. (Quarles & Brady)	WAGENSELLER, GRETCHEN A	253786	ACCESS AND SAMPLING-YOUR QUESTION	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	11/02/2010	WAGENSELLER, GRETCHEN A	Sakrison, James	253788	ACCESS AND SAMPLING- YOUR QUESTION	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	11/05/2010	WAGENSELLER, GRETCHEN A	KAFURA, CRAIG	254131	PARK-EUCLID MULTI-PHASE EXTRACTION EARLY RESPONSE ACTION	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	MEMO	11/05/2010	WAGENSELLER, GRETCHEN A	KAFURA, CRAIG	254133	PARK-EUCLID MULTI-PHASE EXTRACTION EARLY RESPONSE ACTION WORK PLAN-DRAFT COMMENTS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	MEMO	11/10/2010	Boudra, Robert (Urs Corp)	WAGENSELLER, GRETCHEN A	254141	PARK-EUCLID WQARF SITE- MULTI-PHASE EXTRACTION WORK PLAN-ADEQ COMMENTS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Comments, Work Plan

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PARK-EUCLID PROJECT (Proj)	MEMO	11/15/2010	WAGENSELLER, GRETCHEN A	Boudra, Robert (Urs Corporation)	268167	MISSION PROPERTY LINE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	11/17/2010	WAGENSELLER, GRETCHEN A	DI DOMIZIO, TOM J (TOM)	268170	GEOTECH BORINGS 55-912716 PARK-EUCLID BUFFER	R:1-41557;V:11;L:CENTRAL FILES;C:N	Figures/ Tables/Photos, Permits
PARK-EUCLID PROJECT (Proj)	MEMO	11/22/2010	Drazek, Joseph A. (Quarles & Brady)	WAGENSELLER, GRETCHEN A	254203	ADEQ ACCESS FOR SAMPLING AND INSTALLING WELLS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Figures/ Tables/Photos, Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	11/24/2010	City Of Tucson - Environmental Services	WAGENSELLER, GRETCHEN A	268172	EXTENSION LETTER FOR PARK-EUCLID SITE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	11/24/2010	WAGENSELLER, GRETCHEN A	City Of Tucson - Environmental Services	268585	PARK-EUCLID QUESTIONS REGARDING CITY OF TUCSON MONITOR WELLSAT THIS SITE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement

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PARK-EUCLID PROJECT (Proj)	MEMO	12/08/2010	WAGENSELLER, GRETCHEN A	City Of Tucson - Environmental Services	268602	REVIEW ADEQ ENVIRONMENTAL ACCESS AGREEMENT DRAFT DEC 2010	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	12/16/2010	WAGENSELLER, GRETCHEN A	WAGENSELLER, GRETCHEN A	268677	ADEQ GROUNDWATER DATA BASE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Figures/ Tables/Photos
PARK-EUCLID PROJECT (Proj)	MEMO	12/17/2010	WAGENSELLER, GRETCHEN A	Boudra, Robert	268687	PARK-EUCLID WELL SURVEY COORDINATES DISCREPSNCY	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	01/04/2011	ELLETT, BILL J (BILL)	KAFURA, CRAIG	269573	REVISED FINAL MPE WORK PLAN	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	MEMO	01/04/2011	KAFURA, CRAIG	LEPAGE, TINA	269574	FINAL GROUNDWATER MONITORING WORK PLAN	R:1-41557;V:11;L:CENTRAL FILES;C:N	Ground Water Monitoring, Comments, Work Plan

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PARK-EUCLID PROJECT (Proj)	MEMO	01/04/2011	KAFURA, CRAIG	LEPAGE, TINA	270027	FINAL GROUNDWATER MONITORING WORK PLAN	R:1-41557;V:11;L:CENTRAL FILES;C:N	Ground Water Monitoring, Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	MEMO	01/04/2011	WAGENSELLER, GRETCHEN A	KAFURA, CRAIG	270028	REVISED FINAL ERA WORK PLAN	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Approval, Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	MEMO	01/12/2011	WAGENSELLER, GRETCHEN A	KAFURA, CRAIG	270030	ABANDONMENT OF "OLD WELL" TEXT IN PE GROUP LTM WORK PLAN	R:1-41557;V:11;L:CENTRAL FILES;C:N	Ground Water Monitoring, Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	MEMO	01/13/2011	WAGENSELLER, GRETCHEN A	KAFURA, CRAIG	268691	WELL SURVEY DATA-DISCREPANCY	R:1-41557;V:11;L:CENTRAL FILES;C:N	Figures/ Tables/Photos
PARK-EUCLID PROJECT (Proj)	MEMO	01/14/2011	WAGENSELLER, GRETCHEN A	Boudra, Robert (Urs Corporation)	270032	ACCESS WELL PROPERTY LINE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement

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PARK-EUCLID PROJECT (Proj)	MEMO	01/18/2011	WAGENSELLER, GRETCHEN A	Boudra, Robert	268700	PARK-EUCLID SURVEY DATA	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	01/20/2011	Boudra, Robert (Urs Corporation)	WAGENSELLER, GRETCHEN A	270034	PARK-EUCLID WELLS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Ground Water Monitoring
PARK-EUCLID PROJECT (Proj)	MEMO	01/20/2011	LEPAGE, TINA	Boudra, Robert	268703	PARK-EUCLID DATA	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	01/21/2011	CARTY JR, LOWELL M	WAGENSELLER, GRETCHEN A	268805	PARK-EUCLID SURVEY DATA-DISCREPANCY	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	01/21/2011	Collins, Molly	WAGENSELLER, GRETCHEN A	270036	JAN 10, 2010 MEETING-MINUTES	R:1-41557;V:11;L:CENTRAL FILES;C:N	Ground Water Monitoring, Comments

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PARK-EUCLID PROJECT (Proj)	MEMO	01/21/2011	LEPAGE, TINA	CARTY JR, LOWELL M	268717	PARK-EUCLID SURVEY DATA DISCREPANCY	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	01/21/2011	WAGENSELLER, GRETCHEN A	CARTY JR, LOWELL M	268714	PARK-EUCILD DATA DISCREPANCY	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	01/24/2011	Robison, Larry	Byrd, Richard	270050	TUCSON DRAINAGE /ARROYO CHICO-MONITORING WELL	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	01/25/2011	City Of Tucson - Environmental Services (Byrd, Richard)	WAGENSELLER, GRETCHEN A	269203	TUCSON DRAINAGE/ARROYO CHICO-MONITORING WELL	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	01/25/2011	WAGENSELLER, GRETCHEN A	Boudra, Robert	268811	PARK-EUCLID SURVEY DATA- DISCREPANCY	R:1-41557;V:11;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	MEMO	01/25/2011	WAGENSELLER, GRETCHEN A	Boudra, Robert	269206	ARROYO CHICO PROJECT-POSSIBLE IMPACT ON CONTINUED EXISTENCE OF NEARBY WELLS	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	01/25/2011	WAGENSELLER, GRETCHEN A	Byrd, Richard	270054	TUCSON DRAINAGE/ARROYO CHICO-MONITORING	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	01/25/2011	WAGENSELLER, GRETCHEN A	Hoey, Chris	270053	TUCSON DRAINAGE/ARROYO CHICO-MONITORING WELL	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	01/31/2011	WAGENSELLER, GRETCHEN A	Boudra, Robert	270058	GROUNDWATER MONITORING AND THE ADEQ GROUNDWATER DATABASE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Ground Water Monitoring
PARK-EUCLID PROJECT (Proj)	MEMO	01/31/2011	WAGENSELLER, GRETCHEN A	Robison, Larry (Pima County - Flood Control District)	270057	TUCSON DRAINAGE/ARROYO CHICO MONITORING WELLS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement

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PARK-EUCLID PROJECT (Proj)	MEMO	02/01/2011	Pima County - Flood Control District	WAGENSELLER, GRETCHEN A	269213	WELL ABANDONMENT OF PEP-16 AND PEP-17 ADWR INFO	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	02/02/2011	Harthshorne, Pat	WAGENSELLER, GRETCHEN A	270065	PARK-EUCLID-INQUIRY REGARDING PLUME	R:1-41557;V:11;L:CENTRAL FILES;C:N	Ground Water Investigation
PARK-EUCLID PROJECT (Proj)	MEMO	02/03/2011	Boudra, Robert	WAGENSELLER, GRETCHEN A	269347	PARK-EUCLID WELL SITE ARROYO CHICO PROJECT-FYI	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	02/03/2011	Byrd, Richard (City Of Tucson - Environmental Services)	WAGENSELLER, GRETCHEN A	269349	ARROYO CHICO PROJECT GROUNDWATER MONITOR WELLS NOTES REGARDING MEETING	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	02/04/2011	WAGENSELLER, GRETCHEN A	Urs Corporation (Neese, William)	269561	REQUEST FOR NOTES/PHOTOS FROM INFORMAL URS WELL INSPECTION (FOR FURTHER SAMPLING)	R:1-41557;V:11;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	MEMO	02/15/2011	WAGENSELLER, GRETCHEN A	Robison, Larry	270066	PARK-EUCLID SITE AND ARROYO CHICO PROJECT ACCESS AND LAND SURVEY	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	02/24/2011	WAGENSELLER, GRETCHEN A	Boudra, Robert	270067	GROUNDWATER MONITORING, KEYS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Operation and Maintenance, Ground Water Monitoring
PARK-EUCLID PROJECT (Proj)	MEMO	02/28/2011	WAGENSELLER, GRETCHEN A	Boudra, Robert	270068	PARK-EUCLID SITE-ADOT-1 GROUNDWATER WELL	R:1-41557;V:11;L:CENTRAL FILES;C:N	Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	MEMO	03/01/2011	WAGENSELLER, GRETCHEN A	Robison, Larry	270069	NEW ADEQ PROJECT MANAGER FOR PARK-EUCLID SITE	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	04/27/2011	WALLIN, ROBERT	Urs Corporation	339155	PARK-EUCLID ACCESS AGREEMENT STATUS	R:1-41557;V:13;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	MEMO	05/16/2011	WALLIN, ROBERT	Tetra Tech Em Inc.	339153	PARK-EUCLID	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	11/23/2011	ELLETT, BILL J (BILL)	Urs Corporation	339154	TECHNICAL MEETING SUMMARY AND ACTION ITEMS	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	04/10/2012	Young, Anthony E.	WALLIN, ROBERT	339156	PARK-EUCLID WQARF SITE - RESPONSE TO URS TECHNICAL MEMORANDUM DATED 1/17/12, AND COVER LETTER FROM JOSEPH DRAZEK DATED 1/18/12	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	05/02/2012	Arizona Department Of Water Resources	Urs Corporation	338936	TECHNICAL MEMORANDUM - SUMMARY OF START UP AND 3RD QUARTER 2011 OPERATION AND SAMPLING FOR MULTI-PHASE EXTRACTION (MPE) SYSTEM EARLY RESPONSE ACTION (ERA), PARK-EUCLID WQARF SITE	R:1-41557;V:12;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	05/18/2012	Arizona Department Of Water Resources	Urs Corporation	338938	TECHNICAL MEMORANDUM - SUMMARY OF 4TH QUARTER 2011 OPERATIONS AND SAMPLING FOR MULTI-PHASE EXTRACTION (MPE) SYSTEM EARLY RESPONSE ACTION (ERA), PARK-EUCLID	R:1-41557;V:12;L:CENTRAL FILES;C:N	

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WQARF SITE								
PARK-EUCLID PROJECT (Proj)	MEMO	10/30/2012	Arizona Department Of Water Resources	Urs Corporation	338939	TECHNICAL MEMORANDUM - SUMMARY OF 1ST, 2ND AND 3RD QUARTER 2012 OPERATION AND SAMPLING FOR MULTI- PHASE EXTRACTION (MPE) SYSTEM EARLY RESPONSE ACTION (ERA), PARK-EUCLID WQARF SITE	R:1- 41557;V:12;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	06/04/2013	Arizona Department Of Water Resources	Urs Corporation	338940	TECHNICAL MEMORANDUM - SUMMARY OF 1ST QUARTER 2013 OPERATION AND SAMPLING FOR MULTI- PHASE EXTRACTION (MPE) SYSTEM EARLY RESPONSE ACTION (ERA), PARK-EUCLID WQARF SITE	R:1- 41557;V:12;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	06/13/2013	WALLIN, ROBERT	Urs Corporation	339157	PARK EUCLID PERFORMANCE DATA	R:1- 41557;V:13;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	MEMO	09/03/2013	Arizona Department Of Water Resources	Urs Corporation	338941	TECHNICAL MEMORANDUM - SUMMARY OF 2ND QUARTER 2013 OPERATION AND SAMPLING FOR MULTI-PHASE EXTRACTION (MPE) SYSTEM EARLY RESPONSE ACTION (ERA), PARK-EUCLID WQARF SITE	R:1-41557;V:12;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	12/20/2013	Arizona Department Of Water Resources	Urs Corporation	338942	TECHNICAL MEMORANDUM - SUMMARY OF 3RD QUARTER 2013 OPERATION AND SAMPLING FOR MULTI-PHASE EXTRACTION (MPE) SYSTEM EARLY RESPONSE ACTION (ERA), PARK-EUCLID WQARF SITE	R:1-41557;V:12;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	03/21/2014	Arizona Department Of Water Resources	Urs Corporation	338943	TECHNICAL MEMORANDUM - GROUNDWATER MODELING STATUS, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1-41557;V:12;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	03/26/2014	Arizona Department Of Water Resources	Urs Corporation	338944	TECHNICAL MEMORANDUM - GROUNDWATER MODELING STATUS, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1-41557;V:12;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	MEMO	07/29/2014	WAGENSELLER, GRETCHEN A	Urs Corporation	339158	PER-28 DRILLING STATUS	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	12/11/2014	Urs Corporation	ELLETT, BILL J (BILL)	339160	FS ALTERNATIVES ANALYSIS - PARK EUCLID WQARF SITE	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	12/17/2014	ELLETT, BILL J (BILL)	Drazek, Joseph A.	339161	FS ALTERNATIVES ANALYSIS - PARK EUCLID WQARF SITE	R:1-41557;V:13;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	04/01/2015	Gln Architects & Engineers	Urs Corporation	356675	UNIVERSITY OF ARIZONA WATER PROVIDER SURVEY-- FORM FILLED OUT FOR PARK-EUCLID GROUP FOR FEASIBILITY STUDY	R:1-41557;V:16;L:CENTRAL FILES;C:N	Feasibility Study
PARK-EUCLID PROJECT (Proj)	MEMO	07/15/2015	GREEN, SCOTT	WAGENSELLER, GRETCHEN A	356663	PARK-EUCLID SITE-- STATUS OF UNIVERSITY OF ARIZONA ACCEPTANCE OF TREATED WATER-- PROPOSAL FOR BENEFICIAL USE OF GROUNDWATER (FOR FINAL REMEDY)	R:1-41557;V:16;L:CENTRAL FILES;C:N	Feasibility Study

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PARK-EUCLID PROJECT (Proj)	MEMO	03/04/2016	WAGENSELLER, GRETCHEN A	Urs Corporation	356685	PARK-EUCLID GROUP/URS--ADEQ REVIEW OF CHANGES TO THE LONG-TERM GROUNDWATER MONITORING	R:1-41557;V:16;L:CENTRAL FILES;C:N	Ground Water Monitoring
PARK-EUCLID PROJECT (Proj)	MEMO	12/14/2017	TITUS, TOM (TOM)	Boudra, Robert	374553	RESPONSE TO ADEQ COMMENTS ON FINAL FS REPORT FOR THE PARK EUCLID WQARF SITE, TUCSON, ARIZONA	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	04/17/2018	GREEN, SCOTT	TITUS, TOM (TOM)	378217	DRAFT FREE PRODUCT SAMPLING IN TUCSON, ARIZONA	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	08/28/2019	TITUS, TOM (TOM)	Boudra, Robert	400995	REGIONAL AQUIFER BIODEGRADATION EVALUATION	R:41557;V:21;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MEMO	02/24/2020	TITUS, TOM (TOM)	Boudra, Robert	400996	HUMAN HEALTH RISK ASSESSMENT UPDATE	R:41557;V:21;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	MEMO	03/05/2020	TITUS, TOM (TOM)	Boudra, Robert	400998	REGIONAL AQUIFER GROUNDWATER MODEL UPDATE	R:41557;V:21;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MULTIMEDIA (CDS, DVDS, VHS)	07/17/1990	City Of Tucson	Layne Christensen & Subsidiaries	373624	WELL VIDEO SURVEY FOR B-088A	R:41557; V:16;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MULTIMEDIA (CDS, DVDS, VHS)	02/07/2001	DOOLEN, MATT L (MATT)	Miller Brooks Environmental Inc	373622	ELECTRONIC COPIES OF DRILLING REPORTS FROM 2/7/2001 TO 9/12/2003	R:41557; V:16;L:CENTRAL FILES;C:N FILE INCLUDES 12 CDS	
PARK-EUCLID PROJECT (Proj)	MULTIMEDIA (CDS, DVDS, VHS)	05/07/2001	DOOLEN, MATT L (MATT)	Miller Brooks Environmental Inc	373527	ELECTRONIC GROUNDWATER SAMPLE DATA FROM 05/7/2001 TO 6/30/2008	R:41557; V:16;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	MULTIMEDIA (CDS, DVDS, VHS)	02/13/2003	DOOLEN, MATT L (MATT)	Miller Brooks Environmental Inc	373526	SEWER VIDEOS	R:41557; V:16;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	MULTIMEDIA (CDS, DVDS, VHS)	07/28/2014	Arizona Department Of Water Resources	Urs Corporation	338951	2014 ANNUAL REPORT FOR LONG-TERM MONITORING PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1-41557;V:12;L:CENTRAL FILES;C:N CD	
PARK-EUCLID PROJECT (Proj)	NOTES	05/02/2017		WAGENSELLER, GRETCHEN A	373463	SOIL REMEDIATION LEVELS	R:41557;V:16;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	NOTICE	03/10/2010	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	252421	OFFICIAL NOTICE OF PUBLIC MEETING PARK-EUCLID SITE	R:1-41557;V:11;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	NOTICE	05/06/2013	OLIVAREZ, DELFINA C	Territorial Newspaper	355907	PARK EUCLID AAC 413 & 407 NOTICE OF APPROVAL TO WORK AND OF FS WP AFFIDAVIT	R:1-41557;V:12;L:CENTRAL FILES;C:N	Feasibility Study, Approval, Community Involvement
PARK-EUCLID PROJECT (Proj)	REPORT	04/01/2003	WAGENSELLER, GRETCHEN A	Miller Brooks Environmental Inc	373524	SEWER EVALUATION	R:41557;V:16;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	REPORT	04/01/2004	DOOLEN, MATT L (MATT)	Miller Brooks Environmental Inc.	356660	SCREENING HEALTH RISK ASSESSMENT-- MISSION LINEN PARK EUCLID PARK-- TUCSON, AZ, PREPARED BY TERI COPELAND FOR MILLER BROOKS ENVIRONMENTAL, INC.	R:1-41557;V:15;L:CENTRAL FILES;C:N	Risk/Health Assesment
PARK-EUCLID PROJECT (Proj)	REPORT	09/29/2004	Adeq-Project Manager - Mel Bunkers	Urs Corporation	252115	PARK-EUCLID WQARF SITE RECOMMENDED REMEDIAL OBJECTIVES	R:1-41557;V:11;L:CENTRAL FILES;C:N	Draft, Remedial Objectives
PARK-EUCLID PROJECT (Proj)	REPORT	01/29/2007	WAGENSELLER, GRETCHEN A	Transwest Geochem	373521	GROUNDWATER LAB REPORTS FROM TRANSWEST GEOCHEM FROM 1/29/07 TO 6/27/2007	R:41557;V:17;L:CENTRAL FILES;C:N GROUNDWATER LAB REPORTS	
PARK-EUCLID PROJECT (Proj)	REPORT	04/12/2007	Arizona Department Of Environmental Quality	Miller Brooks Environmental Inc	252119	SCHEMATIC CROSS SECTION OF PARK-EUCLID SITE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Figures/ Tables/Photos
PARK-EUCLID PROJECT (Proj)	REPORT	08/27/2007	LEPAGE, TINA	Courtney, Chris J.	180553	DRAFT REMEDIAL INVESTIGATION REPORT, PARK-EUCLID WQARF SITE	R:1-41557;V:9;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	REPORT	10/16/2007	Petersen, Nancy	LEPAGE, TINA	180500	PARK-EUCLID-EXTENSION OF ACCESS FOR ADEQ GROUNDWATER SAMPLING OF MONITORING WELLS (VW-1,VW3 AND PER-25)	R:1-41557;V:9;L:CENTRAL FILES;C:N	Ground Water Monitoring
PARK-EUCLID PROJECT (Proj)	REPORT	12/05/2007	Arizona Department Of Environmental Quality	Geotrans Inc	180491	FIELD SAMPLING PLAN	R:1-41557;V:9;L:CENTRAL FILES;C:N	Field Sampling Plan/SAP
PARK-EUCLID PROJECT (Proj)	REPORT	02/20/2008	LEPAGE, TINA	Geotrans Inc	180489	DECEMBER 2007 SEMI-ANNUAL GROUNDWATER MONITORING REPORT	R:1-41557;V:9;L:CENTRAL FILES;C:N	Ground Water Monitoring
PARK-EUCLID PROJECT (Proj)	REPORT	02/22/2008	Arizona Department Of Environmental Quality	Geotrans Inc	180497	HEALTH AND SAFETY PLAN	R:1-41557;V:9;L:CENTRAL FILES;C:N	Health and Safety Plan
PARK-EUCLID PROJECT (Proj)	REPORT	06/03/2008	LEPAGE, TINA	Geotrans Inc	187889	WELL INSTALLATION REPORT FOR GROUNDWATER MONITORING WELL UAM-2B	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	REPORT	06/30/2008	LEPAGE, TINA	Geotrans Inc	187896	FIRST 2008 SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation, Laboratory Results
PARK-EUCLID PROJECT (Proj)	REPORT	06/30/2008	LEPAGE, TINA	Geotrans Inc	187913	GROUNDWATER MODELING REPORT	R:1-41557; V:10; L:CENTRAL FILES; C:N	Feasibility Study, Modeling
PARK-EUCLID PROJECT (Proj)	REPORT	01/15/2009	LEPAGE, TINA	Geotrans Inc	224210	SECOND 2008 SEMI-ANNUAL GROUNDWATER MONITORING REPORT	R:1-41557; V:11; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring
PARK-EUCLID PROJECT (Proj)	REPORT	11/13/2009	LEPAGE, TINA	Urs Corporation	224216	FINAL REPORT MPE OPERATION SUMMARY	R:1-41557; V:11; L:CENTRAL FILES; C:N	Remedial Investigation, Operation and Maintenance, Early Response Action/Interim Remedy
PARK-EUCLID PROJECT (Proj)	REPORT	11/23/2009	WAGENSELLER, GRETCHEN A	Arizona Department Of Environmental Quality	252400	REVISED SCOPE OF WORK	R:1-41557; V:11; L:CENTRAL FILES; C:N	Feasibility Study, Remedial Action, Early Response Action/Interim Remedy, Ground Water Monitoring, Agreement (unspecified type)

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NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj)	REPORT	04/19/2010	Mission Linen Supply	Us Environmental Protection Agency - Region Ix - Rcra Enforcement Office	252466	CERTIFICATION OF VIOLATION CORRECTION	R:1-41557;V:11;L:CENTRAL FILES;C:N	Inspections
PARK-EUCLID PROJECT (Proj)	REPORT	05/20/2010	Drazek, Joseph (Quarles & Brady)	LEPAGE, TINA	252467	INFORMATION REQUESTED-UNIFORM HAZARDOUS WASTE MANIFEST (62005)	R:1-41557;V:11;L:CENTRAL FILES;C:N	Inspections, Historical and Archive Searches
PARK-EUCLID PROJECT (Proj)	REPORT	06/15/2010	Young, Anthony E. (Arizona Office Of The Attorney General)	Drazek, Joseph A. (Quarles & Brady)	253087	PARK-EUCLID WQARF SITE/AGREEMENT TO CONDUCT WORK	R:1-41557;V:11;L:CENTRAL FILES;C:N	Final, Agreement (unspecified type)
PARK-EUCLID PROJECT (Proj)	REPORT	10/08/2010	LEPAGE, TINA	Urs Corp	253096	WORK PLAN FOR LONG-TERM MONITORING, PARK-EUCLID WQARF SITE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Draft, Ground Water Monitoring
PARK-EUCLID PROJECT (Proj)	REPORT	10/12/2010	Drazek, Joseph A.	Arizona Department Of Environmental Quality	253169	PARK-EUCLID GROUP/ADEQ AGREEMENT TO REVIEW WORK	R:1-41557;V:11;L:CENTRAL FILES;C:N	Final, Agreement (unspecified type)

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PARK-EUCLID PROJECT (Proj)	REPORT	10/15/2010	Arizona Department Of Environmental Quality	Urs Corp	253180	MULTI-PHASE EXTRACTION SYSTEM EARLY RESPONSE ACTION PARK-EUCLID	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Draft, Work Plan
PARK-EUCLID PROJECT (Proj)	REPORT	11/09/2010	Drazek, Joseph A. (Quarles & Brady)	WAGENSELLER, GRETCHEN A	254135	PARK-EUCLID WQARF ADEQ COMMENTS REGARDING WORK PLAN FOR MULTI-PHASE EXTRACTION AND EARLY RESPONSE ACTION .	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	REPORT	11/15/2010	WAGENSELLER, GRETCHEN A	Boudra, Robert (Urs Corporation)	254154	ADEQ COMMENTS ON THE URS WORK PLAN FOR LONG TERM MONITORING AT THE PARK-EUCLID WQARF SITE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Ground Water Monitoring, Comments, Work Plan
PARK-EUCLID PROJECT (Proj)	REPORT	11/16/2010	Drazek, Joseph A. (Quarles & Brady)	WAGENSELLER, GRETCHEN A	254188	PARK-EUCLID SITE- ACCESS LICENSE PROVIDING PARK-EUCLID GROUP ACCESS TO ADEQ WELLS	R:1-41557;V:11;L:CENTRAL FILES;C:N	Well Installation/Abandonment, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj)	REPORT	11/19/2010	WAGENSELLER, GRETCHEN A	Boudra, Robert	373514	WORK PLAN FOR LTM GW MONITORING AT PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:41557; V:16;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	REPORT	11/19/2010	WAGENSELLER, GRETCHEN A	Boudra, Robert (Urs Corporation)	254201	WORK PLAN FOR LONG-TERM MONITORING, PARK-EUCLID WQARF SITE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Final, Ground Water Monitoring, Work Plan
PARK-EUCLID PROJECT (Proj)	REPORT	01/03/2011	WAGENSELLER, GRETCHEN A	Boudra, Robert (Urs Corporation)	269565	REVISED FINAL WORKPLAN FOR AN EARLY RESPONSE ACTION AT TTHE PARK-EUCLID SITE	R:1-41557;V:11;L:CENTRAL FILES;C:N	Early Response Action/Interim Remedy, Approval, Final
PARK-EUCLID PROJECT (Proj)	REPORT	08/14/2013	Adeq - Southern Regional Office	Urs Corporation	339192	SEMI ANNUAL REPORT FOR LONG TERM MONITORING, FIRST 2013 EVENT, PARK-EUCLID WQARF SITE, TUCSON, AZ	R:1-41557;V:14;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	REPORT	02/18/2014	Adeq - Southern Regional Office	Urs Corporation	339194	SEMI ANNUAL REPORT FOR LONG TERM MONITORING, SECOND 2013 EVENT, PARK-EUCLID WQARF SITE, TUCSON, AZ	R:1-41557;V:14;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	REPORT	09/18/2014	WAGENSELLER, GRETCHEN A	Urs Corporation	338945	SUMMARY OF PERCHED AQUIFER GROUNDWATER BIOTREATABILITY BENCH-SCALE TEST, PARK-EUCLID WQARF SITE - 301 SOUTH PARK AVENUTE, TUCSON, ARIZONA	R:1-41557;V:12;L:CENTRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	REPORT	10/06/2015	WAGENSELLER, GRETCHEN A	Urs Corporation	356659	2015 ANNUAL REPORT FOR LONG-TERM MONITORING--PARK-EUCLID WQARF SITE--TUCSON, AZ, PREPARED BY URS CORPORATION FOR PARK-EUCLID GROUP	R:1-41557;V:15;L:CENTRAL FILES;C:N	Ground Water Monitoring
PARK-EUCLID PROJECT (Proj)	REPORT	03/28/2017	WAGENSELLER, GRETCHEN A	Boudra, Robert	373486	2016 ANNUAL REPORT FOR LONG-TERM MONITORING AT PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:41557;V:16;L:CENTRAL FILES;C:N REPORT ON CD ONLY	
PARK-EUCLID PROJECT (Proj)	REPORT	04/07/2017	TITUS, TOM (TOM)	Hargis & Associates Inc	373487	LNAPL PHYSICAL PROPERTIES REPORT	R:41557;V:16;L:CENTRAL FILES;C:N LNAPL FINGERPRINTING RESULTS FOR PARK-EUCLID AREA	
PARK-EUCLID PROJECT (Proj)	REPORT	10/18/2017	TITUS, TOM (TOM)	Boudra, Robert	373508	FINAL FS REPORT, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:41557;V:18;L:CENTRAL FILES;C:N REPORT INCLUDES THREE VOLUMES	
PARK-EUCLID PROJECT (Proj)	REPORT	10/23/2017	TITUS, TOM (TOM)	Boudra, Robert	373818	2017 LONG-TERM MONITORING REPORT, PARK-EUCLIDE WQARF SITE, TUCSON, ARIZONA	R:41557;V:20;L:CENTRAL FILES;C:N REPORT INCLUDES CD	

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PARK-EUCLID PROJECT (Proj)	REPORT	04/16/2018	TITUS, TOM (TOM)	Boudra, Robert	378218	LOWER VADOSE ZONE SOIL VAPOR EXTRACTION EARLY RESPONSE ACTION WORK PLAN ADDENDUM	R:41557;V:20;L:CEN TRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	REPORT	05/03/2018	TITUS, TOM (TOM)	Boudra, Robert	378221	SUPPLEMENTAL HYDROGEOLOGIC CHARACTERIZATION WORK PLAN	R:41557;V:20;L:CEN TRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	REPORT	04/26/2019	TITUS, TOM (TOM)	Boudra, Robert	388613	2018 LONG-TERM MONITORING REPORT	R:41557;V:20;L:CEN TRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	REPORT	07/26/2019	TITUS, TOM (TOM)	Urs	392094	LOWER VADOSE ZONE SVE CAT OX ERA DESIGN REPORT	R:41557;V:20;L:CEN TRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	REPORT	12/19/2019	TITUS, TOM (TOM)	Boudra, Robert	396322	2019 LTM GROUNDWATER REPORT	R:41557;V:20;L:CEN TRAL FILES;C:N	

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PARK-EUCLID PROJECT (Proj)	REPORT	01/20/2020	TITUS, TOM (TOM)	Boudra, Robert	396388	SUPPLEMENTAL WELL INSTALLATION REPORT (VOL 1 & 2)	R:41557;V:21;L:CENTRAL FILES;C:N 2 VOLUMES	
PARK-EUCLID PROJECT (Proj)	REPORT	05/22/2020	TITUS, TOM (TOM)	Boudra, Robert	400999	PROPOSED REMEDIAL ACTION PLAN	R:41557;V:21;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	REQUESTS/INQUIRIES	08/18/2000	DOOLEN, MATT L (MATT)	DOOLEN, MATT L (MATT)	373489	PASCOE INVESTMENT AND DEVELOPMENT	R:41557;V:16;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	REQUESTS/INQUIRIES	09/14/2000	DOOLEN, MATT L (MATT)	DOOLEN, MATT L (MATT)	373490	PROPOSED MONITORING WELL LOCATION	R:41557;V:16;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	WORK PLAN	01/07/2013	WAGENSELLER, GRETCHEN A	Boudra, Robert	373515	WORK PLAN FS AND ASSOCIATED ACTIVITIES, PARK EUCLID WQARF SITE, TUCSON, AZ	R:41557;V:16;L:CENTRAL FILES;C:N	Feasibility Study

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PARK-EUCLID PROJECT (Proj)	WORK PLAN	11/08/2013	Adeq - Southern Regional Office	Urs Corporation	339197	WORK PLAN FOR REGIONAL MONITORING WELL INSTALLATION, PARK-EUCLID WQARF SITE, TUCSON, AZ	R:1-41557;V:12;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	WORK PLAN	12/06/2013	Adeq - Southern Regional Office	Urs Corporation	338948	WORK PLAN FOR BIOAUGMENTATION PILOT TESTING, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1-41557;V:12;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj)	WORK PLAN	06/10/2014	Arizona Department Of Water Resources	Urs Corporation	338947	WORK PLAN FOR REGIONAL AQUIFER MONITORING WELL INSTALLATION, PARK-EUCLID WQARF SITE, TUCSON, ARIZONA	R:1-41557;V:12;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	AGENDA	02/06/2004	Bagwell, Keith	PALESE, EILEEN J	160513	PE WQARF SITE CAB AGENDA FOR 2/18/04 MEETING AND MINUTES FROM 11/19/03 MEETING	R:1-41557; V:1; L:CENTRAL FILES; C:N	
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	AGENDA	05/07/2004	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160536	PE WQARF SITE CAB AGENDA FOR 5/18/2004 MEETING AND MINUTES FROM 2/18/2004 MEETING	R:1-41557; V:2; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	ATTENDANCE RECORD	05/14/2019	TITUS, TOM (TOM)	TITUS, TOM (TOM)	392093	AGENDA AND ATTENDANCE RECORD FOR PROJECT MEETING	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	COMMUNITY INVOLVEMENT PLAN	09/01/2004	DOOLEN, MATT L (MATT)	Decker, Lance L.	160552	PE WQARF COMMUNITY INVOLVEMENT PLAN	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	FACT SHEET	10/01/2004	Arizona Department Of Environmental Quality - Sro	PALESE, EILEEN J	160589	FACT SHEET PE WQARF SITE FALL 2004	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	FACT SHEET	07/01/2008	Adeq-Project Manager - Mel Bunkers	LEPAGE, TINA	199452	FACT SHEET PARK-EUCLID WATER QUALITY REVOLVING FUND SITE SUMMER 2008	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	HANDOUT	01/28/2005	Arizona Department Of Environmental Quality - Sro	PALESE, EILEEN J	160594	MEETING NOTICE	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	01/09/2004	Drazek, Joseph A.	DOOLEN, MATT L (MATT)	160501	LAND USE STUDIES RELATING TO PE WQARF REGISTRY SITE - INFORMATION REQUEST	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Land and Water Use
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	01/09/2004	Masbruch, Karen	DOOLEN, MATT L (MATT)	160503	LAND USE STUDIES RELATING TO PE WQARF REGISTRY SITE - INFORMATION REQUEST	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Land and Water Use
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	01/09/2004	Shields, Suzanne	DOOLEN, MATT L (MATT)	160504	LAND USE STUDIES RELATING TO PE WQARF REGISTRY SITE - INFORMATION REQUEST	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Land and Water Use
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	01/13/2004	Drazek, Joseph A.	DOOLEN, MATT L (MATT)	160506	WATER USE STUDIES RELATING TO PE WQARF REGISTRY SITE- INFORMATION REQUEST	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Land and Water Use
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	01/13/2004	University Of Arizona - Risk Management Services	DOOLEN, MATT L (MATT)	160505	WATER USE STUDIES RELATING TO PE WQARF REGISTRY SITE - INFORMATION REQUEST	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Land and Water Use

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	01/14/2004	Green, Ed	DOOLEN, MATT L (MATT)	160507	WATER USE STUDIES RELATING TO PE WQARF REGISTRY SITE - INFORMATION REQUEST	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Land and Water Use
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	01/14/2004	Us Epa - Region 9	DOOLEN, MATT L (MATT)	160508	WATER USE STUDIES RELATING TO PE WQARF REGISTRY SITE - INFORMATION REQUEST	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Land and Water Use
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	01/29/2004	Drazek, Joseph A.	DOOLEN, MATT L (MATT)	160511	PE WQARF - ACCESS REQUEST FOR SOIL GAS SAMPLING	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	02/10/2004	DOOLEN, MATT L (MATT)	Drazek, Joseph A.	161629	ADEQ ACCESS REQUEST FOR SOIL GAS SAMPLING	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Soil/Soil Gas Investigation, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	03/04/2004	COX , TRENT	Miller Brooks Environmental	161630	KEY PERSONNEL CHANGE	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Contractor/Task Assignment Issues

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	03/05/2004	Arizona Department Of Water Resources -Tucson Active Management Area Office	Marikos, Mark	160516	OFFICIAL NOTICE TO DRILL NEW OPTICAL WELL	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	04/01/2004	Marikos, Mark	Arizona Department Of Water Resources -Tucson Active Management Area Office	160514	COOPERATIVE WATER-QUALITY MONITORING AGREEMENT WELL #55-201737 (AKA MCKALE OR OPTICAL SCIENCES WELL)	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	04/23/2004	DOOLEN, MATT L (MATT)	Drazek, Joseph A.	161631	MISSION LINEN SUPPLY/AIR SAMPLING RESULTS	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Laboratory Results
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	05/25/2004	DOOLEN, MATT L (MATT)	Drazek, Joseph A.	160539	SCOPE OF WORK FOR PROPOSED SOIL VAPOR EXTRACTION AND MULTI-PHASE EXTRACTION WORK	R:1-41557; V:2; L:CENTRAL FILES; C:N	Remedial Investigation, Remedial Action
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	06/11/2004	WILLIS-FRANCES, REN	Arizona Department Of Health Services	161642	VAPOR FLUX SCREENING	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Risk/Health Assessment, Comments

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	07/02/2004	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160542	RELEASE OF THE PE WQARF SITE RI REPORT AND ANNOUNCEMENT OF THE DATE FOR THE NEXT CAB MEETING	R:1-41557; V:2; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	07/08/2004	ESPOSITO, DAVID	Arizona Department Of Water Resources -Tucson Active Management Area Office	160544	NOTICE OF RECEIPT OF AN APPLICATION TO CONSTRUCT PARK AVENUE DETENTION BASIN COMPLEX DAM	R:1-41557; V:2; L:CENTRAL FILES; C:N	Remedial Investigation, Proposed
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	07/16/2004	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160549	RELEASE OF THE PE WQARF RI REPOR AND ANNOUNCEMENT OF THE DATE FOR THE NEXT CAB MEETING	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	08/13/2004	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160550	PE WQARF SITE CAB AGENDA FOR 8/25/04 MEETING AND MINUTES FROM THE 5/19/04 MEETING	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	09/10/2004	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160553	PE WQARF SITE CAB AGENDA FOR 9/22/04 MEETING AND MINUTES FROM 8/25/04 CAB MEETING	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	09/27/2004	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160554	FINAL CAB COMMENT LETTERS FOR THE PE WQARF DRAFT RI REPORT AND REMEDIAL OBJECTIVES	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	09/29/2004	DOOLEN, MATT L (MATT)	Davis, Donald	160585	CAB COMMENTS ON REMEDIAL OBJECTIVES	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Objectives, Comments
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	09/29/2004	DOOLEN, MATT L (MATT)	Eddy, Freya	160586	CAB COMMENTS ON THE DRAFT REMEDIAL INVESTIGATION REPORT	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Comments
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	09/29/2004	DOOLEN, MATT L (MATT)	Urs Corporation	160587	RECOMMENDED REMEDIAL OBJECTIVES AND COMMENTS ON THE FINAL DRAFT RI REPORT PE WQARF SITE	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Remedial Objectives, Comments
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	10/04/2004	DOOLEN, MATT L (MATT)	Masbruch, Karen	160590	PE RI REPORT - FINAL DRAFT (JUNE 29, 2004) & REMEDIAL OBJECTIVES COMMENTS	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Remedial Objectives, Comments

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	11/08/2004	Arizona Department Of Water Resources	Urs Corporation	161645	SUBMITTAL OF APPLICATION FOR POOR QUALITY GROUNDWATER WITHDRAWAL PERMIT MISSION LINENE SUPPLY	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Action, Permits
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	03/29/2005	Miller Brooks Environmental	DOOLEN, MATT L (MATT)	160597	CONTRACTOR PERFORMANCE REPORT	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Contractor/Task Assignment Issues
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	04/19/2005	Arizona Department Of Water Resources	Urs Corporation	160619	PERMIT NO. 59-205587.0000	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Permits
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	09/23/2005	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160620	PE WQARF SITE CAB - AGENDA FOR 10/06/05; MINUTES FROM 2/9/05 MEETING	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	09/26/2005	Petersen, Nancy	FULTON, MIKE A (MIKE)	160621	PE WQARF SITE - ACCESS FOR ADEQ GROUNDWATER MONITOR WELLS	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Access Agreement/Easement

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	02/10/2006	DOOLEN, MATT L (MATT)	Petersen, Nancy	160623	ARROYO CHICO FLOOD DETENTION NASIN PROJECT; SEDIMENT SAMPLES COLLECTED MID-CHANNEL NEAR 13TH STREET AND SANTA RITA AVENUE	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Soil/Soil Gas Investigation
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	02/22/2006	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160624	MEETING DATE ANNOUNCEMENT FOR THE NEXT PE WQARF SITE CAB - WEDNESDAY, MARCH 15, 2006	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	03/08/2006	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160626	PE WQARF SITE CAB - AGENDA FOR 3/15/06 MEETING; MINUTES FROM 10/06/05 MEETING	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	03/14/2006	Northern Arizona University - Risk Management	DOOLEN, MATT L (MATT)	160627	PE WQARF SITE - NORTHERN ARIZONA UNIVERSITY RESEARCH	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	05/24/2006	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160634	MEETING DATE ANNOUNCEMENT FOR THE NEXT PE WQARF CAB - WEDNESDAY, JUNE 21, 2006	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	06/09/2006	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160635	PE WQARF CAB - AGENDA FOR 6/12/06 MEETING MINUTES FROM 3/15/06 MEETING	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	06/20/2006	Mission Linen Supply	Pima County - Department Of Environmental Quality	160662	MISSION LINEN PUBLIC NOTICE (AIR QUALITY OPERATING PERMIT #2144)	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Action, Permits
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	08/04/2006	LEPAGE, TINA	Park-Euclid Wqarf Site Community Advisory Board	160663	PE CAB COMMENT ON PROPOSED REMEDIAL OBJECTIVES REPORT	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Objectives, Community Involvement, Comments
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	08/11/2006	Park-Euclid Wqarf Site Community Advisory Board	Eddy, Freya	160664	PE CAB COMMENT ON AIR QUALITY OPERATING PERMIT #2144	R:1-41557; V:6; L:CENTRAL FILES; C:N	Permits, Community Involvement, Comments
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	09/15/2006	Miller Brooks Environmental	LEPAGE, TINA	160665	CONTRACTOR PERFORMANCE REPORT	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Contractor/Task Assignment Issues

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	09/22/2006	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160667	RESCHEDULING OF THE OCTOBER 4, 2006 PE CAB TO DECEMBER 6, 2006	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	10/20/2006	Park-Euclid Wqarf Site Community Advisory Board	Pima County - Department Of Environmental Quality	160668	LETTER OF INTENT TO ISSUE PIMA COUNTY AIR QUALITY PERMIT #2144	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Action, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	10/26/2006	Petersen, Nancy	LEPAGE, TINA	160669	PE WQARF SITE - EXTENSION OF ACCESS AGREEMENT FOR ADEQ GROUNDWATER SAMPLING OF MONITOR WELLS PEP-19, PER-21, PER-22 AND PER-23	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	11/13/2006	Eddy, Freya	PALESE, EILEEN J	160670	REQUEST FOR CONTACT INFORMATION	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	11/13/2006	Turner, Steven	PALESE, EILEEN J	160671	REQUEST FOR CONTACT INFORMATION	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	11/27/2006	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160673	PE WQARF CAB AGENDA FOR 12/06/06 MEETING AND MINUTES FROM 06/21/06 MEETING	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	12/20/2006	Drazek, Joseph A.	LEPAGE, TINA	160675	MISSION LINEN GRANT OF RIGHT OF ENTRY EXTENSION 299 AND 301 SOUTH PARK AVENUE, TUCSON	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Access Agreement/Easement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	12/26/2006	Park-Euclid Wqarf Site Community Advisory Board	Eddy, Freya	160676	PE CAB WOULD LIKE TO COMMEND MISSION LINEN	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement, Comments
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	01/31/2007	Arizona Department Of Environmental Quality - Ust State Lead Unit	Mission Linen Supply Inc	160703	PERMIT CLOSE-OUT REQUEST	R:1-41557; V:8; L:CENTRAL FILES; C:N	Remedial Action, Permits
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	03/19/2007	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160706	CANCELLATION OF THE WEDNESDAY MARCH 28, 2007 PE WQARF CAB MEETING	R:1-41557; V:8; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	04/09/2007	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	160709	MEETING DATE ANNOUNCEMENT FOR THE NEXT PE WQARF SITE CAB MEETING - WEDNESDAY APRIL 25, 2007	R:1-41557; V:8; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	04/24/2008	Copper Mountain Landfill, Inc	LEPAGE, TINA	199473	PARK-EUCLID WQARF SITE - MONITOR WELL UAM-2B	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	08/29/2008	Park-Euclid Wqarf Site Community Advisory Board	PALESE, EILEEN J	199467	PARK-EUCLID WQARF SITE CAB AGENDA FOR 9/10/08 MEETING; MNINUTES FROM 6/26/08 CAB MEETING	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	12/01/2010	City Of Tucson - Environmental Services	WAGENSELLER, GRETCHEN A	267435	PARK-EUCLID SITE - ACCESS FOR ADEQ WELLS	R:1-41557; V:11; L:CENTRAL FILES; C:N	Access Agreement/Easement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	09/13/2011	WAGENSELLER, GRETCHEN A	City Of Tucson - Environmental Services	267436	PARK-EUCLID SITE - ACCESS FOR ADEQ WELLS ON CITY PROPERTY	R:1-41557; V:11; L:CENTRAL FILES; C:N	Access Agreement/Easement

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	11/08/2018	Arizona Department Of Environmental Quality	Boudra, Robert	384442	PRELIMINARY RESULTS FOR POST DEVELOPMENT SAMPLING ADDITIONAL PERCHED AQUIFER WELLS	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	LETTER	12/04/2018	Drazek, Joseph A.	Arizona Department Of Environmental Quality	384443	CHARACTERIZATION OF PERCHED AQUIFER	R:41557;V:20;L:CENTRAL FILES;C:N	
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	MEETING MINUTES	08/18/2008	LEPAGE, TINA	PALESE, EILEEN J	199466	DRAFT MINUTES OF THE PARK-EUCLID WQARF SITE CAB MEETING - 35TH MEETING	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	MEMO	05/12/2004	WILLIS-FRANCES, REN	DOOLEN, MATT L (MATT)	161639	RISK ASSESSMENT REQUEST FORM- PE WQARF SITE	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Risk/Health Assesment
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	MEMO	02/15/2007	LEPAGE, TINA	Miller Brooks Environmental	160704	DRAFT TECHNICAL MEMORANDUM CONCEPTUAL MODEL FOR THE PROPSOED FATE AND TRANSPORT MODELING	R:1-41557; V:8; L:CENTRAL FILES; C:N	Feasibility Study

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	MEMO	09/04/2008	Salmon, Lewis & Weldon Plc	Brown And Caldwell	199469	REMEDIAL COST EVALUATION FOR THE PERCHED AQUIFER AT THE MISSION LINEN SUPPLY, INC. PROPERTY, 301 SOUTH PARK AVENUE, TUCSON, ARIZONA	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	MEMO	09/18/2008	Salmon, Lewis & Weldon Plc	Brown And Caldwell	199470	RATIONALE FOR EXPANDING THE LIST OF COMPOUNDS OF CONCERN AT THE PARK-EUCLID WQARF SITE IN TUCSON, ARIZONA	R:1-41557; V:11; L:CENTRAL FILES; C:N	Remedial Investigation
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	NOTICE	07/04/2004	DOOLEN, MATT L (MATT)	PALESE, EILEEN J	160543	MEETING NOTICE - PUBOIC NOTICE FOR A 90-DAY PUBLIC COMMENT PERIOD AND PUBLIC MEETING	R:1-41557; V:2; L:CENTRAL FILES; C:N	Remedial Investigation, Public, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	NOTICE	09/23/2005	Arizona Department Of Environmental Quality - Sro	PALESE, EILEEN J	160622	MEETING NOTICE	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Public, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	NOTICE	03/09/2006	Arizona Department Of Environmental Quality - Sro	PALESE, EILEEN J	160628	MEETING NOTICE	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement

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PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	NOTICE	06/09/2006	Arizona Department Of Environmental Quality - Sro	PALESE, EILEEN J	160659	PUBLIC NOTICE FOR A 60 DAY PUBLIC COMMENT PERIOD	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	NOTICE	06/09/2006	Arizona Department Of Environmental Quality - Sro	PALESE, EILEEN J	160661	MEETING NOTICE JUNE 21, 2006	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	NOTICE	11/13/2006	LEPAGE, TINA	Arizona Department Of Water Resources -Tucson Active Management Area Office	160672	PROPOSED NEW WELL IN TUCSON NEAR CONTAMINANT SITES	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	NOTICE	04/10/2007	Arizona Department Of Environmental Quality - Sro	PALESE, EILEEN J	160711	MEETING NOTICE	R:1-41557; V:8; L:CENTRAL FILES; C:N	Feasibility Study, Community Involvement
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	PERMITS	05/07/2004	Arizona Department Of Environmental Quality - Sro	Adwr	161636	ADWR WELL REGISTRATION NO. 55-584493	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation, Permits

SITES Document Rollup

NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	PERMITS	05/07/2004	Arizona Department Of Environmental Quality - Sro	Adwr	161638	ADWR MONITOR WELL REGISTRATION NO.55-584358	R:1-41557; V:9; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation, Permits
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	PERMITS	06/01/2005	Mission Linen Supply	Arizona Department Of Water Resources -Tucson Active Management Area Office	160598	PERMIT TO WITHDRAW POOR QUALITY GROUNDWATER	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Action, Permits
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	PRESENTATION	05/14/2004	DOOLEN, MATT L (MATT)	Miller Brooks Environmental	160538	STATEMENT OF QUALIFICATIONS FOR FEASIBILITY STUDIES PE WQARF SITE	R:1-41557; V:2; L:CENTRAL FILES; C:N	Remedial Investigation, Feasibility Study
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	04/06/2004	DOOLEN, MATT L (MATT)	Miller Brooks Environmental	160520	THIRD & FOURTH QURATER 2003 GROUNDWATER MONITORING AND SAMPLING REPORT (3 VOLUMES)	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	05/06/2004	DOOLEN, MATT L (MATT)	Miller Brooks Environmental	160535	DRAFT- VAPOR FLUX AND SCREENING RISK ASSESSMENT	R:1-41557; V:2; L:CENTRAL FILES; C:N	Remedial Investigation, Risk/Health Assesment

SITES Document Rollup

NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	06/25/2004	DOOLEN, MATT L (MATT)	Miller Brooks Environmental	160540	FIRST QUARTER 2004 GROUNDWATER MONITORING AND SAMPLING REPORT	R:1-41557; V:2; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	10/21/2004	DOOLEN, MATT L (MATT)	Miller Brooks Environmental	160547	SECOND QUARTER 2004 GROUNDWATER MONITORING AND SAMPLING REPORT (2 VOLUMES)	R:1-41557; V:3; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	10/27/2004	DOOLEN, MATT L (MATT)	Miller Brooks Environmental	160592	GROUNDWATER MONITOR WELL ABANDONMENT ACTIVITIES WELL REGISTRATION NOS. 55-584358 AND 55-584493	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	03/04/2005	DOOLEN, MATT L (MATT)	Miller Brooks Environmental	160595	SECOND HALF 2004 SEMI ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT (2 VOLUMES)	R:1-41557; V:4; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	09/23/2005	DOOLEN, MATT L (MATT)	Miller Brooks Environmental	160599	FIRST HALF 2005 SEMI ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT	R:1-41557; V:5; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring

SITES Document Rollup

NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	04/17/2006	DOOLEN, MATT L (MATT)	Miller Brooks Environmental	160631	SECOND HALF 2005 SEMI ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT	R:1-41557; V:7; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	06/09/2006	Arizona Department Of Environmental Quality - Sro	DOOLEN, MATT L (MATT)	160660	PROPOSED REMEDIAL OBJECTIVES REPORT	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Remedial Objectives
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	01/11/2007	LEPAGE, TINA	Miller Brooks Environmental	160677	FIRST HALF 2006 SEMI ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT	R:1-41557; V:6; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring, Ground Water Investigation
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	01/23/2007	LEPAGE, TINA	Miller Brooks Environmental	160700	TECHNICALMEMORANDUM IDENTIFICATION AND INITIAL SCREENING OF REMEDIAL TECHNOLOGIES	R:1-41557; V:8; L:CENTRAL FILES; C:N	Feasibility Study
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	04/27/2007	LEPAGE, TINA	Miller Brooks Environmental	160718	SECOND HALF 2006 SEMI ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT	R:1-41557; V:8; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Monitoring

SITES Document Rollup

NAME	DOCUMENT TYPE	RCVD/SENT DATE	TO	FROM	CTS ID	SUBJECT	LOCATION/FILENAME	ASSOCIATION
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	07/01/2007	LEPAGE, TINA	Malcolm Pirnie	199451	DRAFT FATE AND TRANSPORT MODELING REPORT PARK EUCLID WQARF SITE	R:1-41557; V:11; L:CENTRAL FILES; C:N	Remedial Investigation, Modeling
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	REPORT	12/12/2008	LEPAGE, TINA	Geotrans Inc	199471	WELL INSTALLATION REPORT FOR GROUNDWATER MONITORING WELL PER-14A	R:1-41557; V:10; L:CENTRAL FILES; C:N	Remedial Investigation, Ground Water Investigation
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	WORK PLAN	01/15/2004	Us Army Corps Of Engineers	Sota Environmental Technology Inc	160510	SITE INVESTIGATION FOR TUCSON DRAINAGE AREA PROJECT - BASIN 1 TUCSON, AZ	R:1-41557; V:1; L:CENTRAL FILES; C:N	Remedial Investigation, Proposed
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	WORK PLAN	04/11/2006	DOOLEN, MATT L (MATT)	Miller Brooks Environmental	160629	DRAFT FEASIBILITY STUDY WORKPLAN	R:1-41557; V:6; L:CENTRAL FILES; C:N	Feasibility Study
PARK-EUCLID PROJECT (Proj), PARK-EUCLID SITE (Siteou)	WORK PLAN	12/01/2010	WAGENSELLER, GRETCHEN A	KAFURA, CRAIG J	267434	P-E GROUP MPE WORK PLAN ADEQ COMMENTS	R:1-41557; V:11; L:CENTRAL FILES; C:N	Early Response Action/Interim Remedy, Work Plan

APPENDIX B

HISTORICAL COST SUMMARY

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1991	Metcalfe & Eddy	000013	\$ 8,895.45	\$ 8,895.45	\$ 8,895.45	Compile and review Tucson file/Consultation re site investigation; Field staff to observe site work	
1991	Metcalfe & Eddy	001174	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00	Compile and review Tucson file/Consultation re site investigation; Dr. L. Everret site meeting	
1991	Metcalfe & Eddy	002109	\$ 6,284.37	\$ 6,284.37	\$ -	Reviewing and compiling Tucson file	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1991	EMCON	80309	\$ 2,437.75	\$ 2,437.75	\$ -	Remedial Action	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1991	EMCON	10333	\$ 1,131.10	\$ 1,131.10	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1991	EMCON	11332	\$ 2,012.40	\$ 2,012.40	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1991	EMCON	12306	\$ 194.35	\$ 194.35	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1992	EMCON	1318	\$ 6,825.00	\$ 6,825.00	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1992	EMCON	2311	\$ 11,816.15	\$ 11,816.15	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1992	EMCON	3340	\$ 9,811.25	\$ 9,811.25	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task
1992	EMCON	4286	\$ 1,426.35	\$ 1,426.35	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task
1992	EMCON	5325	\$ 12,969.55	\$ 12,969.55	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1992	EMCON	6338	\$ 5,852.65	\$ 5,852.65	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1992	EMCON	7297	\$ 8,812.43	\$ 8,812.43	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided; page 2 of invoice missing; stamp obscuring invoice details
1992	EMCON	80731	\$ 5,344.45	\$ 5,344.45	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1992	EMCON	90732	\$ 12,778.88	\$ 12,778.88	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1992	EMCON	10645	\$ 27,939.20	\$ 27,939.20	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1992	EMCON	11549	\$ 40,882.02	\$ 40,882.02	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1992	EMCON	12715	\$ 9,771.17	\$ 9,771.17	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1993	EMCON	20129	\$ 14,913.34	\$ 14,913.34	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1993	EMCON	20228	\$ 11,762.17	\$ 11,762.17	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1993	EMCON	20335	\$ 37,948.18	\$ 37,948.18	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1993	EMCON	20430	\$ 117,160.55	\$ 117,160.55	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1993	EMCON	20531	\$ 87,125.00	\$ 87,125.00	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1993	EMCON	20628	\$ 25,555.03	\$ 25,555.03	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1993	EMCON	20729	\$ 12,794.22	\$ 12,794.22	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1993	EMCON	20826	\$ 14,566.25	\$ 14,566.25	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1993	EMCON	20927	\$ 29,645.77	\$ 29,645.77	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1993	EMCON	21027	\$ 14,267.78	\$ 14,267.78	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1993	EMCON	21142	\$ 11,076.62	\$ 11,076.62	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1993	EMCON	20132	\$ 7,466.70	\$ 7,466.70	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1994	EMCON	21342	\$ 4,745.16	\$ 4,745.16	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1994	EMCON	20234	\$ 6,578.21	\$ 6,578.21	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1994	EMCON	20310	\$ 8,455.30	\$ 8,455.30	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1994	EMCON	20441	\$ 24,889.81	\$ 24,889.81	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; no unit and reimbursable expense documentation provided
1994	MISSION	Check	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	Initial amount expended by State for characterization	Reimbursement of ADEQ costs
1994	EMCON	20515	\$ 50,578.17	\$ 50,578.17	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1994	EMCON	20634	\$ 76,204.68	\$ 76,204.68	\$ -	Remedial Action Plan	No backup provided - unable to determine appropriate charges per task; subcontractor invoice missing; no unit and reimbursable expense documentation provided
1994	EMCON	20733	\$ 94,557.31			Remedial Action Plan	
1994	EMCON	20733		\$ 2,020.50	\$ 2,020.50	General Consulting	
1994	EMCON	20733		\$ 29,338.90	\$ 28,828.90	Remedial Action Plan/Remediation Design	Appropriate documentation/Invoice backup missing
1994	EMCON	20733		\$ 63,197.91	\$ 6,807.50	Field Work	Appropriate documentation/Invoice backup missing
1994	EMCON	20824	\$ 47,682.88			Remedial Action Plan	
1994	EMCON	20824		\$ 10,442.31	\$ 10,067.40	Remedial Action Plan/Remediation Design	Appropriate documentation/Invoice backup missing
1994	EMCON	20824		\$ 37,240.57	\$ 7,257.90	Field Work	Appropriate documentation/Invoice backup missing
1994	EMCON	9626	\$ 17,274.68			Remedial Action Plan	
1994	EMCON	9626		\$ 2,085.07	\$ 2,085.07	Default	Not appropriate for cost credit
1994	EMCON	9626		\$ 1,582.40	\$ 1,582.40	General Consulting	
1994	EMCON	9626		\$ 2,798.00	\$ 2,714.00	Remedial Action Plan/Remediation Design	Appropriate documentation/Invoice backup missing
1994	EMCON	9626		\$ 10,809.21	\$ 2,527.80	Field Work	Appropriate documentation/Invoice backup missing
1994	EMCON	21143	\$ 20,532.60			Remedial Action Plan	
1994	EMCON	21143		\$ 4,509.90	\$ 4,509.90	General Consulting	
1994	EMCON	21143		\$ 2,576.00	\$ 2,576.00	Remedial Action Plan/Remediation Design	
1994	EMCON	21143		\$ 13,308.70	\$ 4,371.80	Field Work	Appropriate documentation/Invoice backup missing
1994	EMCON	21247	\$ 19,937.24			Remedial Investigations	
1994	EMCON	21247		\$ 8,992.50	\$ 8,992.50	General Consulting	
1994	EMCON	21247		\$ 9,582.40	\$ 9,584.40	Remedial Action Plan/Remediation Design	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1994	EMCON	21247		\$ 1,362.34	\$ 1,362.34	Field Work	
1994	EMCON	31242	\$ 41,703.85			Remedial Investigations	
1994	EMCON	31242		\$ (52.10)	\$ -	Default	Not appropriate for cost credit
1994	EMCON	31242		\$ 17,943.28	\$ 17,852.11	General Consulting	Appropriate documentation/Invoice backup missing
1994	EMCON	31242		\$ 15,694.00	\$ 15,694.00	Remedial Action Plan/Remediation Design	
1994	EMCON	31242		\$ 8,118.57	\$ 3,002.60	Field Work	Appropriate documentation/Invoice backup missing
1995	EMCON	30159	\$ 1,584.14			Mission Pilot SVE Report	
1995	EMCON	30159		\$ 1,584.14	\$ 1,584.14	Mission Pilot SVE Report	
1995	EMCON	30100	\$ 20,551.79				
1995	EMCON	30100		\$ 6,864.33	\$ 6,864.33	General Consulting	
1995	EMCON	30100		\$ 11,987.42	\$ 11,557.79	Remedial Action Plan/Remediation Design	Appropriate documentation/Invoice backup missing
1995	EMCON	30100		\$ 1,700.04	\$ 1,700.04	Field Work	
1995	EMCON	20243	\$ 711.94			Mission Pilot SVE Report	
1995	EMCON	20243		\$ 711.94	\$ 711.94	Mission Pilot SVE Report	
1995	EMCON	20201	\$ 21,958.73			Remedial Investigations	
1995	EMCON	20201		\$ 5,448.70	\$ -	General Consulting	Accounting stamp placed over invoice details
1995	EMCON	20201		\$ 4,205.27	\$ -	Task hidden by approval stamp Task 2 or 3	Accounting stamp placed over invoice details
1995	EMCON	20201		\$ 329.60	\$ 329.60	Temporary Revocable Easement	
1995	EMCON	20201		\$ 3,224.93	\$ 3,224.93	WQARF Information Request	
1995	EMCON	20201		\$ 5,804.26	\$ 5,607.32	Development of RI Scope of Work	Appropriate documentation/Invoice backup missing
1995	EMCON	20201		\$ 2,945.97	\$ 2,945.97	Complete Existing Reports	
1995	EMCON	20340	\$ 356.38			PCE Air Sampling	
1995	EMCON	20340		\$ 356.38	\$ 356.38	PCE Air Sampling	
1995	EMCON	20321	\$ 28,925.90			Remedial Investigations	
1995	EMCON	20321		\$ 267.80	\$ -	Default	Not appropriate for cost credit
1995	EMCON	20321		\$ 1,914.77	\$ 1,914.77	General Consulting	
1995	EMCON	20321		\$ 1,025.76	\$ 573.50	Field Work	Appropriate documentation/Invoice backup missing
1995	EMCON	20321		\$ 4,231.64	\$ 3,979.92	Temporary Revocable Easement	Appropriate documentation/Invoice backup missing
1995	EMCON	20321		\$ 5,354.95	\$ 5,227.25	WQARF Information Request	Appropriate documentation/Invoice backup missing
1995	EMCON	20321		\$ 13,022.44	\$ 13,014.46	Development of RI Scope of Work	Appropriate documentation/Invoice backup missing
1995	EMCON	20321		\$ 3,108.54	\$ 3,108.54	Complete Existing Reports	
1995	EMCON	20473	\$ 26,001.03			Remedial Investigations	
1995	EMCON	20473		\$ 6,015.92	\$ 6,015.92	General Consulting	
1995	EMCON	20473		\$ 969.77	\$ 872.87	Field Work	Appropriate documentation/Invoice backup missing
1995	EMCON	20473		\$ 10,611.68	\$ 10,611.68	Temporary Revocable Easement	
1995	EMCON	20473		\$ 45.21	\$ -	WQARF Information Request	Appropriate documentation/Invoice backup missing
1995	EMCON	20473		\$ 4,054.08	\$ 4,054.08	Development of RI Scope of Work	
1995	EMCON	20473		\$ 4,304.37	\$ 4,304.37	Complete Existing Reports	
1995	EMCON	20498	\$ 469.22			PCE Air Sampling	
1995	EMCON	20498		\$ 469.22	\$ 469.22	PCE Air Sampling	
1995	EMCON	20580	\$ 28,435.13			Remedial Investigations	
1995	EMCON	20580		\$ 6,815.20	\$ 6,815.20	General Consulting	
1995	EMCON	20580		\$ 1,488.56	\$ -	Remedial Investigation/Remed. Design	Accounting stamp placed over invoice details
1995	EMCON	20580		\$ 1,266.41	\$ 949.25	Field Work	Appropriate documentation/Invoice backup missing
1995	EMCON	20580		\$ 6,041.15	\$ 5,976.06	Temporary Revocable Easement	Appropriate documentation/Invoice backup missing
1995	EMCON	20580		\$ 1,456.11	\$ 1,456.11	Development of RI Scope of Work	
1995	EMCON	20580		\$ 11,367.70	\$ 11,367.70	Complete Existing Reports	
1995	EMCON	20601	\$ 3,410.09			PCE Air Sampling	
1995	EMCON	20601		\$ 3,410.09	\$ 1,407.50	PCE Air Sampling	Appropriate documentation/Invoice backup missing
1995	EMCON	20629	\$ 14,589.78			Phase 4 - General Consulting	
1995	EMCON	20629		\$ 387.28	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1995	EMCON	20629		\$ 48.41	\$ -	ADEQ Meetings	Accounting stamp placed over invoice details
1995	EMCON	20629		\$ 1,058.84	\$ 1,058.84	Invoicing/Scheduling	
1995	EMCON	20629		\$ 880.38	\$ 601.46	Monthly Water/Product Levels	Appropriate documentation/Invoice backup missing
1995	EMCON	20629		\$ 12,214.87	\$ 12,214.87	Complete Historic Reports	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1995	EMCON	20630	\$ 7,922.76			Phase 4 Workplan & Reporting	
1995	EMCON	20630		\$ 7,922.76	\$ 7,922.76	Remedial I. Workplan	
1995	EMCON	20707	\$ 17,761.50			Phase 4 - General Consulting	
1995	EMCON	20707		\$ 1,113.43	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1995	EMCON	20707		\$ 412.00	\$ -	ADEQ Meetings	Accounting stamp placed over invoice details
1995	EMCON	20707		\$ 290.46	\$ 290.46	Invoicing/Scheduling	
1995	EMCON	20707		\$ 951.66	\$ 613.06	Monthly Water/Product Levels	Appropriate documentation/Invoice backup missing
1995	EMCON	20707		\$ 3,868.94	\$ 3,868.94	TRE Package	
1995	EMCON	20707		\$ 11,124.96	\$ 11,124.96	Complete Historic Reports	
1995	EMCON	20708	\$ 40,903.26			Phase 4 Work Plan	
1995	EMCON	20708		\$ 40,903.26	\$ 40,903.26	Remedial I. Workplan	
1995	EMCON	08206	\$ 15,608.44			Phase 4 - General Consulting	Missing pages of invoice
1995	EMCON	08206		\$ 981.59	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1995	EMCON	08206		\$ 1,275.66	\$ 1,275.66	Invoicing/Scheduling	
1995	EMCON	08206		\$ 803.30	\$ 749.12	Monthly Water/Product Levels	Appropriate documentation/Invoice backup missing
1995	EMCON	08206		\$ 3,213.20	\$ 3,213.20	TRE Package	
1995	EMCON	08205	\$ 14,745.58			Phase 4 Work Plan	
1995	EMCON	08205		\$ 14,745.58	\$ -	Remedial I. Workplan	\$63,571.60 - workplan costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 115+124+131
1995	EMCON	UNKNOWN	\$ 28,277.86			Phase 4 - Work Plan & Reporting	
1995	EMCON	UNKNOWN		\$ 28,277.86	\$ -	Remedial I. Workplan	\$91,849.46 - workplan costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 115+124+131+133
1995	EMCON	09217	\$ 5,648.98			Phase 4 General Consulting	
1995	EMCON	09217		\$ 469.68	\$ -	Client/Attorney Meetings Communications	Not appropriate for cost credit
1995	EMCON	09217		\$ 1,065.02	\$ 1,065.02	ADEQ Meetings	
1995	EMCON	09217		\$ 2,048.06	\$ 2,033.22	Invoicing/Scheduling	Appropriate documentation/Invoice backup missing
1995	EMCON	09217		\$ 968.06	\$ 731.71	Monthly Water/Product Levels	Appropriate documentation/Invoice backup missing
1995	EMCON	09217		\$ 759.29	\$ 375.74	TRE Package	Appropriate documentation/Invoice backup missing
1995	EMCON	09217		\$ 338.87	\$ 338.87	DOT ACT	
1995	EMCON	10139	\$ 6,401.83			Phase 4 - Work Plan & Reporting	
1995	EMCON	10139		\$ 6,401.83	\$ -	Remedial I. Workplan	\$98,251.29 - workplan costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 115+124+131+133+142
1995	MISSION	Check	\$ 136,758.36	\$ 136,758.36	\$ 136,758.36	Payment in Full RE Reimbursable Expenses RE Characterization Work - Tucson, AZ	Reimbursement of ADEQ costs
1995	EMCON	10140	\$ 6,643.85			Phase 4 General Consulting	
1995	EMCON	10140		\$ 3,317.91	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1995	EMCON	10140		\$ 1,497.62	\$ 1,497.62	Invoicing/Scheduling	
1995	EMCON	10140		\$ 919.18	\$ 705.34	Monthly Water/Product Levels	Appropriate documentation/Invoice backup missing
1995	EMCON	10140		\$ 909.14	\$ 829.15	TRE Package	Appropriate documentation/Invoice backup missing
1995	EMCON	10141	\$ 338.87			Phase 4 Source Area	
1995	EMCON	10141		\$ 338.87	\$ 338.87	Shallow Soil Sampling	
1995	EMCON	10534	\$ 6,595.19			Phase 4 - Work Plan & Reporting	
1995	EMCON	10534		\$ 6,595.19	\$ -	Remedial I. Workplan	\$104,846.48 - workplan costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 115+124+131+133+142+152
1995	EMCON	10531	\$ 5,231.60			Phase 4 General Consulting	
1995	EMCON	10531		\$ 3,259.86	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1995	EMCON	10531		\$ 96.82	\$ 96.82	ADEQ Meetings	
1995	EMCON	10531		\$ 841.00	\$ 841.00	Invoicing/Scheduling	
1995	EMCON	10531		\$ 1,033.92	\$ 804.74	Monthly Water/Product Levels	Appropriate documentation/Invoice backup missing
1995	EMCON	11148	\$ 590.00			Phase 1 Mission Industries - Columbia Analytical	
1995	EMCON	11148		\$ 590.00	\$ -	Columbia Analytical	Appropriate documentation/Invoice backup missing
1995	EMCON	13786	\$ 649.76			Phase 4 - Work Plan & Reporting	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1995	EMCON	13786		\$ 649.76	\$ -	Remedial I. Workplan	\$105,496.24 - workplan costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 115+124+131+133+142+152+161
1995	EMCON	13787	\$ 2,909.03			Phase 4 General Consulting	
1995	EMCON	13787		\$ 1,921.47	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1995	EMCON	13787		\$ 677.74	\$ 677.74	ADEQ Meetings	
1995	EMCON	13787		\$ 309.82	\$ 309.82	Monthly Water/Product Levels	
1996	EMCON	16572	\$ 1,862.31			Unknown	Missing pages of invoice
1996	EMCON	16572		\$ 1,862.31	\$ -	Unknown	Not appropriate for cost credit
1996	EMCON	16570	\$ 910.34			Unknown	Missing pages of invoice
1996	EMCON	16570		\$ 910.34	\$ -	Unknown	Not appropriate for cost credit
1996	EMCON	17851	\$ 145.02			Phase 4 General Consulting	
1996	EMCON	17851		\$ 145.02	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1996	EMCON	20244	\$ 484.10			Phase 4 General Consulting	
1996	EMCON	20244		\$ 484.10	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1996	EMCON	21913	\$ 1,236.18			Phase 4 General Consulting	
1996	EMCON	21913		\$ 1,236.18	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1996	EMCON	22688	\$ 676.92			Phase 4 General Consulting	
1996	EMCON	22688		\$ 386.46	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1996	EMCON	22688		\$ 290.46	\$ 290.46	ADEQ Meetings	
1996	EMCON	25179	\$ 2,268.16			Phase 4 General Consulting	
1996	EMCON	25179		\$ 1,713.20	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1996	EMCON	25179		\$ 441.66	\$ 441.66	ADEQ Meetings	
1996	EMCON	25179		\$ 113.30	\$ 113.30	TRE Package	
1996	EMCON	25742	\$ 2,355.10			Phase 4 General Consulting	
1996	EMCON	25742		\$ 2,139.31	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1996	EMCON	25742		\$ 215.79	\$ 215.79	ADEQ Meetings	
1996	EMCON	27869	\$ 1,065.02			Phase 4 General Consulting	
1996	EMCON	27869		\$ 1,065.02	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1996	EMCON	29511	\$ 604.61			Phase 4 General Consulting	
1996	EMCON	29511		\$ 410.97	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1996	EMCON	29511		\$ 193.64	\$ 193.64	ADEQ Meetings	
1996	EMCON	32458	\$ 193.64			Phase 4 General Consulting	
1996	EMCON	32458		\$ 96.82	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1996	EMCON	32458		\$ 96.82	\$ 96.82	ADEQ Meetings	
1996	EMCON	33083	\$ 4,431.37			Phase 4 General Consulting	
1996	EMCON	33083		\$ 2,736.20	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1996	EMCON	33083		\$ 1,695.17	\$ 1,695.17	ADEQ Meetings	
1997	EMCON	35007	\$ 21,500.79			Phase 4 General Consulting	
1997	EMCON	35007		\$ 21,323.63	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1997	EMCON	35007		\$ 177.16	\$ 177.16	ADEQ Meetings	
1997	EMCON	36440	\$ 11,105.25			Phase 4 General Consulting	
1997	EMCON	36440		\$ 8,007.63	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1997	EMCON	36440		\$ 3,097.62	\$ 3,097.62	TRE Package	
1997	EMCON	36441	\$ 25,150.40			Tucson Litigation Support	Not appropriate for cost credit
1997	EMCON	36441		\$ 6,384.97	\$ -	Project Management	
1997	EMCON	36441		\$ 8,767.36	\$ -	Meetings/Conference Calls	
1997	EMCON	36441		\$ 5,736.97	\$ -	Regulatory File Review	
1997	EMCON	36441		\$ 597.92	\$ -	File Organization/Management	
1997	EMCON	36441		\$ 22.15	\$ -	Data Duplication	
1997	EMCON	36441		\$ 1,030.60	\$ -	Travel/Site Visits	
1997	EMCON	36441		\$ 2,610.43	\$ -	Presentation Materials/Visual Aids	
1997	EMCON	38123	\$ 13,873.86			Phase 4 General Consulting	
1997	EMCON	38123		\$ 7,089.66	\$ 7,028.10	Work Plan Addendum	Appropriate documentation/Invoice backup missing
1997	EMCON	38123		\$ 1,413.98	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1997	EMCON	38123		\$ 1,698.47	\$ 1,698.47	ADEQ Meetings	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1997	EMCON	38123		\$ 420.65	\$ 420.65	ADWR Coordination	
1997	EMCON	38123		\$ 507.28	\$ 507.28	Invoicing/Scheduling	
1997	EMCON	38123		\$ 2,743.82	\$ 2,743.82	TRE Package	
1997	EMCON	38976	\$ 45,798.01			Phase 4 General Consulting	
1997	EMCON	38976		\$ 33,486.11	\$ 33,477.58	Work Plan Addendum	\$40,575.77 - workplan addendum costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 212+219. Appropriate documentation/Invoice backup missing
1997	EMCON	38976		\$ 1,409.66	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1997	EMCON	38976		\$ 48.41	\$ 48.41	ADEQ Meetings	
1997	EMCON	38976		\$ 2,614.14	\$ 2,614.14	Invoicing/Scheduling	
1997	EMCON	38976		\$ 8,239.69	\$ 8,239.69	TRE Package	
1997	EMCON	38977	\$ 3,550.93			Phase 4 Source Area	
1997	EMCON	38977		\$ 3,550.93	\$ -	Work Plan Addendum	\$44,126.70 - workplan addendum costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 212+219+225
1997	EMCON	38978	\$ 1,976.58			Phase 4 Regional Aquifer	
1997	EMCON	38978		\$ 1,876.15	\$ -	Work Plan Addendum	\$46,002.85 - workplan addendum costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 212+219+225+227
1997	EMCON	38978		\$ 100.43	\$ 100.43	On-Site Zone C-1 Monitor Well	
1997	EMCON	38980	\$ 1,168.44	\$ 1,168.44	\$ -	McKesson Project	Documentation needed as to how this relates to the Park-Euclid site
1997	EMCON	42360	\$ 5,270.52			Phase 4 General Consulting	
1997	EMCON	42360		\$ 4,469.69	\$ 4,469.69	Invoicing/Scheduling	
1997	EMCON	42360		\$ 800.83	\$ 800.83	TRE Package	
1997	EMCON	42361	\$ 4,392.08			Tucson Litigation Support	Not appropriate for cost credit
1997	EMCON	42361		\$ 736.45	\$ -	Draft Correspondence	
1997	EMCON	42361		\$ 1,213.86	\$ -	Meetings/Conference Calls	
1997	EMCON	42361		\$ 1,885.90	\$ -	File Organization/Management	
1997	EMCON	42361		\$ 216.71	\$ -	Data Duplication	
1997	EMCON	42361		\$ 330.30	\$ -	Travel/Site Visits	
1997	EMCON	42361		\$ 8.86	\$ -	Presentation Materials/Visual Aids	
1997	EMCON	42362	\$ 15,658.10		\$ -	SPTCO and other PRP Litigation Support	Not appropriate for cost credit
1997	EMCON	42362		\$ 1,088.61	\$ -	Project Management	
1997	EMCON	42362		\$ 1,583.63	\$ -	Draft Correspondence	
1997	EMCON	42362		\$ 1,135.06	\$ -	Mtgs/Conference calls	
1997	EMCON	42362		\$ 9,413.76	\$ -	Regulatory File Review	
1997	EMCON	42362		\$ 338.87	\$ -	File Organization/Management	
1997	EMCON	42362		\$ 47.45	\$ -	Travel/Site Visits	
1997	EMCON	42362		\$ 2,050.72	\$ -	Presentation Materials/Visual Aids	
1997	EMCON	42363	\$ 2,747.34			McKesson Project	Not appropriate for cost credit
1997	EMCON	42363		\$ 2,747.34	\$ -	No Task	Documentation needed as to how this relates to the Park-Euclid site
1997	EMCON	41718	\$ 14,561.84			Phase 4 General Consulting	
1997	EMCON	41718		\$ 525.99	\$ -	Work Plan Addendum	\$46,528.84 - workplan addendum costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 212+219+225+227+251
1997	EMCON	41718		\$ 79.31	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1997	EMCON	41718		\$ 483.28	\$ 483.28	Invoicing/Scheduling	
1997	EMCON	41718		\$ 13,473.26	\$ 13,473.26	TRE Package	
1997	EMCON	41748	\$ 3,808.70			Tucson Litigation Support	Not appropriate for cost credit
1997	EMCON	41748		\$ 113.30	\$ -	Project Management	
1997	EMCON	41748		\$ 222.69	\$ -	Meetings/Conference Calls	
1997	EMCON	41748		\$ 66.44	\$ -	Draft Correspondence	
1997	EMCON	41748		\$ 25.75	\$ -	Regulatory File Review	
1997	EMCON	41748		\$ 237.93	\$ -	Invoice Documentation Phase 1	
1997	EMCON	41748		\$ 842.45	\$ -	Invoice Documentation Phase 2	
1997	EMCON	41748		\$ 685.05	\$ -	File Organization/Management	
1997	EMCON	41748		\$ 1,492.94	\$ -	Travel/Site Visits	
1997	EMCON	41748		\$ 22.15	\$ -	Presentation Materials/Visual Aids	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1997	EMCON	41721	\$ 7,864.24			SPTCO and other PRP Litigation Support	Not appropriate for cost credit
1997	EMCON	41721		\$ 691.65	\$ -	Project Management	
1997	EMCON	41721		\$ 454.13	\$ -	Draft Correspondence	
1997	EMCON	41721		\$ 549.58	\$ -	Meetings/Conference Calls	
1997	EMCON	41721		\$ 3,508.90	\$ -	Regulatory File Review	
1997	EMCON	41721		\$ 118.97	\$ -	Invoice Documentation Phase 1	
1997	EMCON	41721		\$ 2,541.01	\$ -	Presentation Materials/Visual Aids	
1997	EMCON	41722	\$ 48.41			McKesson Project	Not appropriate for cost credit
1997	EMCON	41722		\$ 48.41	\$ -	No Task	
1997	EMCON	42443	\$ 18,608.67			Phase 4 General Consulting	
1997	EMCON	42443		\$ 72.26	\$ -	Work Plan Addendum	\$46,601.10 - workplan addendum costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 212+219+225+227+251+275
1997	EMCON	42443		\$ 435.69	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1997	EMCON	42443		\$ 938.33	\$ 938.33	Invoicing/Scheduling	
1997	EMCON	42443		\$ 679.80	\$ 679.80	Monthly Water/Product Levels	
1997	EMCON	42443		\$ 16,482.59	\$ 16,482.59	TRE Package	
1997	EMCON	43430	\$ 17,317.54			Tucson Litigation Support Insurance Carriers	Not appropriate for cost credit
1997	EMCON	43430		\$ 2,235.77	\$ -	Project Management	
1997	EMCON	43430		\$ 127.72	\$ -	Draft Correspondence	
1997	EMCON	43430		\$ 1,839.58	\$ -	Meetings/Conference Calls	
1997	EMCON	43430		\$ 142.76	\$ -	Invoice Documentation Phase 1	
1997	EMCON	43430		\$ 10.30	\$ -	Invoice Documentation Phase 2	
1997	EMCON	43430		\$ 2,851.97	\$ -	File Organization/Management	
1997	EMCON	43430		\$ 346.25	\$ -	Data Duplication	
1997	EMCON	43430		\$ 5,352.14	\$ -	Travel/Site Visits	
1997	EMCON	43430		\$ 4,411.05	\$ -	Presentation Materials/Visual Aids	
1997	EMCON	43431	\$ 15,100.14			SPTCO and other PRP Litigation Support	Not appropriate for cost credit
1997	EMCON	43431		\$ 1,700.94	\$ -	Project Management	
1997	EMCON	43431		\$ 331.76	\$ -	Draft Correspondence	
1997	EMCON	43431		\$ 2,943.33	\$ -	Meetings/Conference Calls	
1997	EMCON	43431		\$ 2,902.54	\$ -	Regulatory File Review	
1997	EMCON	43431		\$ 142.76	\$ -	Invoice Documentation Phase 1	
1997	EMCON	43431		\$ 484.10	\$ -	File Organization/Management	
1997	EMCON	43431		\$ 6,594.71	\$ -	Presentation Materials/Visual Aids	
1997	EMCON	42448	\$ 1,196.39			McKesson Project	Not appropriate for cost credit
				\$ 1,196.39	\$ -	Columbia Analytical	
1997	EMCON	42445	\$ 11,235.50			No Invoice Provided	
				\$ 11,235.50	\$ -		Invoice and appropriate documentation/Invoice backup missing
1997	EMCON	44840	\$ 19,210.21			Phase 4 General Consulting	
1997	EMCON	44840		\$ 265.74	\$ -	Client/Attorney Meetings	Not appropriate for cost credit
1997	EMCON	44840		\$ 233.30	\$ 233.30	ADEQ Meetings	
1997	EMCON	44840		\$ 3,395.09	\$ 3,395.09	ADWR Coordination	
1997	EMCON	44840		\$ 10,817.68	\$ 10,817.68	Invoicing/Scheduling	
1997	EMCON	44840		\$ 4,498.40	\$ 4,498.40	TRE Package	
1997	EMCON	44861	\$ 7,634.74			Tucson Litigation Support Insurance Carriers	Not appropriate for cost credit
1997	EMCON	44861		\$ 419.24	\$ -	Project Management	
1997	EMCON	44861		\$ 1,355.48	\$ -	Draft Correspondence	
1997	EMCON	44861		\$ 774.56	\$ -	Meetings/Conference Calls	
1997	EMCON	44861		\$ 141.11	\$ -	Invoice Documentation Phase 1	
1997	EMCON	44861		\$ 79.31	\$ -	Invoice Documentation Phase 2	
1997	EMCON	44861		\$ 3,005.85	\$ -	File Organization/Management	
1997	EMCON	44861		\$ 641.24	\$ -	Travel/Site Visits	
1997	EMCON	44861		\$ 1,217.95	\$ -	Presentation Materials/Visual Aids	
1997	EMCON	44862	\$ 8,789.86			SPTCO and other PRP Litigation Support	Not appropriate for cost credit
1997	EMCON	44862		\$ 2,055.37	\$ -	Project Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1997	EMCON	44862		\$ 711.94	\$ -	Draft Correspondence	
1997	EMCON	44862		\$ 1,628.43	\$ -	Meetings/Conference Calls	
1997	EMCON	44862		\$ 1,520.10	\$ -	Regulatory File Review	
1997	EMCON	44862		\$ 610.69	\$ -	Invoice Documentation Phase 1	
1997	EMCON	44862		\$ 423.33	\$ -	File Organization/Management	
1997	EMCON	44862		\$ 502.69	\$ -	Travel/Site Visits	
1997	EMCON	44862		\$ 1,337.31	\$ -	Presentation Materials/Visual Aids	
1997	EMCON	45170	\$ 2,387.06			Phase 4 General Consulting	
1997	EMCON	45170		\$ 126.50	\$ 126.50	ADWR Coordination	
1997	EMCON	45170		\$ 1,790.50	\$ 1,790.50	Invoicing/Scheduling	
1997	EMCON	45170		\$ 470.06	\$ 470.06	TRE Package	
1997	EMCON	45171	\$ 27,271.78			Tucson Litigation Support Insurance Carriers	Not appropriate for cost credit
1997	EMCON	45171		\$ 3,028.10	\$ -	Project Management	
1997	EMCON	45171		\$ 9,511.95	\$ -	Draft Correspondence	
1997	EMCON	45171		\$ 7,269.64	\$ -	Meetings/Conference Calls	
1997	EMCON	45171		\$ 410.46	\$ -	Invoice Documentation Phase 1	
1997	EMCON	45171		\$ 2,119.74	\$ -	File Organization/Management	
1997	EMCON	45171		\$ 426.19	\$ -	Data Duplication	
1997	EMCON	45171		\$ 4,340.90	\$ -	Travel/Site Visits	
1997	EMCON	45171		\$ 164.80	\$ -	Presentation Materials/Visual Aids	
1997	EMCON	45172	\$ 512.97			SPTCO and other PRP Litigation Support	Not appropriate for cost credit
1997	EMCON	45172		\$ 145.23	\$ -	Project Management	
1997	EMCON	45172		\$ 158.62	\$ -	Regulatory File Review	
1997	EMCON	45172		\$ 79.31	\$ -	Invoice Documentation Phase 1	
1997	EMCON	45172		\$ 129.81	\$ -	Travel/Site Visits	
1997	EMCON	47562	\$ 5,134.87			Phase 4 General Consulting	
1997	EMCON	47562		\$ 700.40	\$ 700.40	Invoicing/Scheduling	
1997	EMCON	47562		\$ 4,434.47	\$ 4,434.47	TRE Package	
1997	EMCON	47563	\$ 6,154.45			Tucson Litigation Support Insurance Carriers	Not appropriate for cost credit
1997	EMCON	47563		\$ 2,282.89	\$ -	Project Management	
1997	EMCON	47563		\$ 669.09	\$ -	Draft Correspondence	
1997	EMCON	47563		\$ 145.23	\$ -	Meetings/Conference Calls	
1997	EMCON	47563		\$ 872.41	\$ -	Invoice Documentation Phase 1	
1997	EMCON	47563		\$ 1,749.14	\$ -	File Organization/Management	
1997	EMCON	47563		\$ 435.69	\$ -	Presentation Materials/Visual Aids	
1997	EMCON	47564	\$ 4,022.08			Tucson Litigation Support Insurance Carriers	Not appropriate for cost credit
1997	EMCON	47564		\$ 993.92	\$ -	Project Management	
1997	EMCON	47564		\$ 3,028.16	\$ -	Travel/Site Visits	
1998	Dames & Moore	103-03313	\$ 20,545.48			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03313		\$ 1,816.12	\$ 1,816.12	Administrative Management	
1998	Dames & Moore	103-03313		\$ 95.00	\$ 95.00	Monthly Reports	
1998	Dames & Moore	103-03313		\$ 2.67	\$ 2.67	Community Relations	
1998	Dames & Moore	103-03313		\$ 17,770.84	\$ 17,770.84	Work Plan	
1998	Dames & Moore	103-03313		\$ 860.85	\$ 860.85	Quarterly Sampling	
1998	Dames & Moore	103-03363	\$ 5,910.27			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03363		\$ 2,423.58	\$ 2,423.58	Administrative Management	
1998	Dames & Moore	103-03363		\$ 239.60	\$ 239.60	Monthly Reports	
1998	Dames & Moore	103-03363		\$ 2,756.98	\$ 2,756.98	Work Plan	
1998	Dames & Moore	103-03363		\$ 483.64	\$ 483.64	Quarterly Sampling	
1998	Dames & Moore	103-03363		\$ 6.47	\$ 6.47	Data Management	
1998	Dames & Moore	103-03408	\$ 3,535.80			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03408		\$ 1,012.34	\$ 1,012.34	Administrative Management	
1998	Dames & Moore	103-03408		\$ 190.00	\$ 190.00	Monthly Reports	
1998	Dames & Moore	103-03408		\$ 438.30	\$ 438.30	Work Plan	
1998	Dames & Moore	103-03408		\$ 850.00	\$ 850.00	Field Investigation	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1998	Dames & Moore	103-03408		\$ 1,027.16	\$ 1,027.16	Quarterly Sampling	
1998	Dames & Moore	103-03408		\$ 18.00	\$ 18.00	Quarterly Reporting	
1998	Dames & Moore	103-03408		\$ 9.00	\$ 9.00	Suspense	
1998	Dames & Moore	103-03497	\$ 3,163.21			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03497		\$ 2,591.22	\$ 2,591.22	Administrative Management	
1998	Dames & Moore	103-03497		\$ 192.90	\$ 192.90	Monthly Reports	
1998	Dames & Moore	103-03497		\$ 0.20	\$ 0.20	Community Relations	
1998	Dames & Moore	103-03497		\$ 2.54	\$ 2.54	Work Plan	
1998	Dames & Moore	103-03497		\$ 392.50	\$ 392.50	Field Investigation	
1998	Dames & Moore	103-03497		\$ 1.85	\$ 1.85	Quarterly Sampling	
1998	Dames & Moore	103-03545	\$ 3,074.95			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03545		\$ 932.33	\$ 932.33	Administrative Management	
1998	Dames & Moore	103-03545		\$ 380.00	\$ 380.00	Monthly Reports	
1998	Dames & Moore	103-03545		\$ 1,430.12	\$ 1,430.12	Field Investigation	
1998	Dames & Moore	103-03545		\$ 332.50	\$ 332.50	Quarterly Sampling	
1998	Dames & Moore	103-03554	\$ 15,833.36			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03554		\$ 855.67	\$ 855.67	Administrative Management	
1998	Dames & Moore	103-03554		\$ 382.50	\$ 382.50	Monthly Reports	
1998	Dames & Moore	103-03554		\$ 95.00	\$ 95.00	Community Relations	
1998	Dames & Moore	103-03554		\$ 14,500.19	\$ 7,140.19	Field Investigation	Appropriate documentation/Invoice backup missing
1998	Dames & Moore	103-03593	\$ 18,812.01			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03593		\$ 2,877.11	\$ 2,877.11	Administrative Management	
1998	Dames & Moore	103-03593		\$ 430.04	\$ 430.04	Monthly Reports	
1998	Dames & Moore	103-03593		\$ 0.84	\$ 0.84	Community Relations	
1998	Dames & Moore	103-03593		\$ 14,059.02	\$ 9,933.10	Field Investigation	Appropriate documentation/Invoice backup missing
1998	Dames & Moore	103-03593		\$ 1,445.00	\$ 1,445.00	Draft EE/CA	
1998	Dames & Moore	103-03627	\$ 18,658.55			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03627		\$ 755.05	\$ 755.05	Administrative Management	
1998	Dames & Moore	103-03627		\$ 380.00	\$ 380.00	Monthly Reports	
1998	Dames & Moore	103-03627		\$ 5,513.37	\$ 3,460.11	Field Investigation	Appropriate documentation/Invoice backup missing
1998	Dames & Moore	103-03627		\$ 1,653.58	\$ 1,653.58	Phase 4 Report	
1998	Dames & Moore	103-03627		\$ 10,356.55	\$ 10,356.55	Draft EE/CA	
1998	Dames & Moore	103-03653	\$ 23,251.21			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03653		\$ 476.79	\$ 476.79	Administrative Management	
1998	Dames & Moore	103-03653		\$ 380.00	\$ 380.00	Monthly Reports	
1998	Dames & Moore	103-03653		\$ (24.33)	\$ (24.33)	Field Investigation	
1998	Dames & Moore	103-03653		\$ 541.41	\$ 541.41	Phase 4 Report	
1998	Dames & Moore	103-03653		\$ 1,447.50	\$ 1,447.50	Quarterly Sampling	
1998	Dames & Moore	103-03653		\$ 20,429.84	\$ 20,429.84	Draft EE/CA	
1998	Dames & Moore	103-03672	\$ 1,869.12			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03672		\$ 444.15	\$ 444.15	Administrative Management	
1998	Dames & Moore	103-03672		\$ 380.00	\$ 380.00	Monthly Reports	
1998	Dames & Moore	103-03672		\$ (2,246.05)	\$ (2,246.05)	Field Investigation	
1998	Dames & Moore	103-03672		\$ 1,044.60	\$ 1,044.60	Phase 4 Report	
1998	Dames & Moore	103-03672		\$ 84.68	\$ 84.68	Quarterly Sampling	
1998	Dames & Moore	103-03672		\$ 2,161.74	\$ 2,161.74	Draft EE/CA	
1998	Dames & Moore	103-03687	\$ 89,013.84			Soil and Groundwater Assessment and Remediation	
1998	Dames & Moore	103-03687		\$ 926.92	\$ 926.92	Administrative Management	
1998	Dames & Moore	103-03687		\$ 380.00	\$ 380.00	Monthly Reports	
1998	Dames & Moore	103-03687		\$ 82,778.75	\$ 5,216.25	Field Investigation	Appropriate documentation/Invoice backup missing
1998	Dames & Moore	103-03687		\$ 1,271.42	\$ 1,271.42	Phase 4 Report	
1998	Dames & Moore	103-03687		\$ 3,656.75	\$ 3,656.75	Draft EE/CA	
1999	Dames & Moore	103-03706	\$ 1,311.08			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03706		\$ 958.38	\$ 958.38	Administrative Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1999	Dames & Moore	103-03706		\$ 285.00	\$ 285.00	Monthly Reports	
1999	Dames & Moore	103-03706		\$ 67.70	\$ 67.70	Draft EE/CA	
1999	Dames & Moore	103-03738	\$ 2,015.35			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03738		\$ 586.23	\$ 586.23	Administrative Management	
1999	Dames & Moore	103-03738		\$ 95.00	\$ 95.00	Monthly Reports	
1999	Dames & Moore	103-03738		\$ 285.00	\$ 285.00	Field Investigation	
1999	Dames & Moore	103-03738		\$ 460.00	\$ 460.00	Phase 4 Report	
1999	Dames & Moore	103-03738		\$ 589.12	\$ 589.12	Draft EE/CA	
1999	Dames & Moore	103-03750	\$ 1,000.01			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03750		\$ 867.51	\$ 867.51	Administrative Management	
1999	Dames & Moore	103-03750		\$ 102.50	\$ 102.50	Monthly Reports	
1999	Dames & Moore	103-03750		\$ 30.00	\$ 30.00	Field Investigation	
1999	Dames & Moore	103-03773	\$ 11,843.45			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03773		\$ 873.69	\$ 873.69	Administrative Management	
1999	Dames & Moore	103-03773		\$ 380.00	\$ 380.00	Monthly Reports	
1999	Dames & Moore	103-03773		\$ 6,138.16	\$ 6,138.16	Field Investigation	
1999	Dames & Moore	103-03773		\$ 808.83	\$ 808.83	Phase 4 Report	
1999	Dames & Moore	103-03773		\$ 237.50	\$ 237.50	Quarterly Sampling	
1999	Dames & Moore	103-03773		\$ 380.00	\$ 380.00	Data Management	
1999	Dames & Moore	103-03773		\$ 1,555.00	\$ 1,555.00	Design - Bid	
1999	Dames & Moore	103-03773		\$ 855.00	\$ 855.00	Task Management	
1999	Dames & Moore	103-03773		\$ 615.27	\$ 615.27	Draft EE/CA	
1999	Dames & Moore	103-03785	\$ 15,651.48			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03785		\$ 6.63	\$ 6.63	Administrative Management	
1999	Dames & Moore	103-03785		\$ 5,884.28	\$ 5,884.28	Field Investigation	
1999	Dames & Moore	103-03785		\$ 890.30	\$ 890.30	Phase 4 Report	
1999	Dames & Moore	103-03785		\$ 3.11	\$ 3.11	Quarterly Sampling	
1999	Dames & Moore	103-03785		\$ 1,520.00	\$ 1,520.00	Data Management	
1999	Dames & Moore	103-03785		\$ 0.60	\$ 0.60	IDW Management	
1999	Dames & Moore	103-03785		\$ 4,272.96	\$ 4,272.96	Design - Bid	
1999	Dames & Moore	103-03785		\$ 84.00	\$ 84.00	System Installation	
1999	Dames & Moore	103-03785		\$ 30.00	\$ 30.00	Start-Up	
1999	Dames & Moore	103-03785		\$ 2,864.48	\$ 2,864.48	Task Management	
1999	Dames & Moore	103-03785		\$ 0.12	\$ 0.12	Draft EE/CA	
1999	Dames & Moore	103-03785		\$ 95.00	\$ 95.00	Comment Responses	
1999	Dames & Moore	103-03795	\$ 11,445.84			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03795		\$ 285.00	\$ 285.00	Administrative Management	
1999	Dames & Moore	103-03795		\$ 95.00	\$ 95.00	Monthly Reports	
1999	Dames & Moore	103-03795		\$ 338.61	\$ 338.61	Field Investigation	
1999	Dames & Moore	103-03795		\$ 240.00	\$ 240.00	Phase 4 Report	
1999	Dames & Moore	103-03795		\$ 3,938.56	\$ 3,938.56	Design - Bid	
1999	Dames & Moore	103-03795		\$ 450.00	\$ 450.00	System Installation	
1999	Dames & Moore	103-03795		\$ 2,660.40	\$ 2,660.40	Task Management	
1999	Dames & Moore	103-03795		\$ 3.27	\$ 3.27	Comment Responses	
1999	Dames & Moore	103-03795		\$ 380.00	\$ 380.00	Final Report	
1999	Dames & Moore	103-03795		\$ 3,055.00	\$ 3,055.00	Action Memorandum	
1999	Dames & Moore	103-03818	\$ 13,227.14			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03818		\$ 1,256.84	\$ 1,256.84	Administrative Management	
1999	Dames & Moore	103-03818		\$ 62.09	\$ 62.09	Field Investigation	
1999	Dames & Moore	103-03818		\$ 380.00	\$ 380.00	Phase 4 Report	
1999	Dames & Moore	103-03818		\$ 3,213.80	\$ 3,213.80	Quarterly Sampling	
1999	Dames & Moore	103-03818		\$ 807.50	\$ 807.50	Quarterly Reporting	
1999	Dames & Moore	103-03818		\$ 2,031.89	\$ 2,031.89	Design - Bid	
1999	Dames & Moore	103-03818		\$ 2,219.75	\$ 2,219.75	System Installation	
1999	Dames & Moore	103-03818		\$ 2,934.49	\$ 2,934.49	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
1999	Dames & Moore	103-03818		\$ 78.78	\$ 78.78	Final Report	
1999	Dames & Moore	103-03818		\$ 242.00	\$ 242.00	Action Memorandum	
1999	Dames & Moore	103-03833	\$ 37,147.67			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03833		\$ 739.58	\$ 739.58	Administrative Management	
1999	Dames & Moore	103-03833		\$ 380.00	\$ 380.00	Monthly Reports	
1999	Dames & Moore	103-03833		\$ 602.66	\$ 602.66	Field Investigation	
1999	Dames & Moore	103-03833		\$ 427.60	\$ 427.60	Phase 4 Report	
1999	Dames & Moore	103-03833		\$ 3,041.35	\$ 3,041.35	Quarterly Sampling	
1999	Dames & Moore	103-03833		\$ 3,800.00	\$ 3,800.00	Quarterly Reporting	
1999	Dames & Moore	103-03833		\$ 692.75	\$ 692.75	Design - Bid	
1999	Dames & Moore	103-03833		\$ 27,153.90	\$ 27,153.90	System Installation	
1999	Dames & Moore	103-03833		\$ 304.51	\$ 304.51	Task Management	
1999	Dames & Moore	103-03833		\$ 5.32	\$ 5.32	Action Memorandum	
1999	Dames & Moore	103-03848	\$ 14,388.21			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03848		\$ 335.81	\$ 335.81	Administrative Management	
1999	Dames & Moore	103-03848		\$ 380.00	\$ 380.00	Monthly Reports	
1999	Dames & Moore	103-03848		\$ 323.40	\$ 323.40	Field Investigation	
1999	Dames & Moore	103-03848		\$ 4,978.88	\$ 4,978.88	Phase 4 Report	
1999	Dames & Moore	103-03848		\$ 5,221.58	\$ 5,221.58	Quarterly Sampling	
1999	Dames & Moore	103-03848		\$ 220.00	\$ 220.00	Quarterly Reporting	
1999	Dames & Moore	103-03848		\$ 840.00	\$ 840.00	Design - Bid	
1999	Dames & Moore	103-03848		\$ 1,050.13	\$ 1,050.13	System Installation	
1999	Dames & Moore	103-03848		\$ 76.17	\$ 76.17	Task Management	
1999	Dames & Moore	103-03848		\$ 382.25	\$ 382.25	Comment Responses	
1999	Dames & Moore	103-03848		\$ 580.00	\$ 580.00	Action Memorandum	
1999	Dames & Moore	103-03855	\$ 11,624.36			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03855		\$ 14.82	\$ 14.82	Administrative Management	
1999	Dames & Moore	103-03855		\$ 285.00	\$ 285.00	Monthly Reports	
1999	Dames & Moore	103-03855		\$ 3,251.03	\$ 3,251.03	Phase 4 Report	
1999	Dames & Moore	103-03855		\$ 3,016.41	\$ 3,016.41	Quarterly Sampling	
1999	Dames & Moore	103-03855		\$ 1,092.50	\$ 1,092.50	Design - Bid	
1999	Dames & Moore	103-03855		\$ 2,380.00	\$ 2,380.00	System Installation	
1999	Dames & Moore	103-03855		\$ 1,468.60	\$ 1,468.60	Task Management	
1999	Dames & Moore	103-03855		\$ 116.00	\$ 116.00	Action Memorandum	
1999	Dames & Moore	103-03870	\$ 6,576.93			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03870		\$ 36.67	\$ 36.67	Administrative Management	
1999	Dames & Moore	103-03870		\$ 706.20	\$ 706.20	Field Investigation	
1999	Dames & Moore	103-03870		\$ 993.45	\$ 993.45	Phase 4 Report	
1999	Dames & Moore	103-03870		\$ 1,290.28	\$ 1,290.28	Quarterly Sampling	
1999	Dames & Moore	103-03870		\$ 8.10	\$ 8.10	Quarterly Reporting	
1999	Dames & Moore	103-03870		\$ 380.00	\$ 380.00	Data Management	
1999	Dames & Moore	103-03870		\$ 237.50	\$ 237.50	Design - Bid	
1999	Dames & Moore	103-03870		\$ 1,802.65	\$ 1,802.65	System Installation	
1999	Dames & Moore	103-03870		\$ 1,122.08	\$ 1,122.08	Task Management	
1999	Dames & Moore	103-03876	\$ 11,024.76			Soil and Groundwater Assessment and Remediation	
1999	Dames & Moore	103-03876		\$ 3.11	\$ 3.11	Administrative Management	
1999	Dames & Moore	103-03876		\$ 3,315.61	\$ 3,315.61	Field Investigation	
1999	Dames & Moore	103-03876		\$ 179.95	\$ 179.95	Phase 4 Report	
1999	Dames & Moore	103-03876		\$ 409.46	\$ 409.46	Quarterly Sampling	
1999	Dames & Moore	103-03876		\$ 522.50	\$ 522.50	Design - Bid	
1999	Dames & Moore	103-03876		\$ 6,165.35	\$ 6,165.35	System Installation	
1999	Dames & Moore	103-03876		\$ 428.78	\$ 428.78	Task Management	
2000	Dames & Moore	103-03888	\$ 14,420.55			Soil and Groundwater Assessment and Remediation	
2000	Dames & Moore	103-03888		\$ 0.94	\$ 0.94	Administrative Management	
2000	Dames & Moore	103-03888		\$ 1,500.00	\$ 1,500.00	Field Investigation	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2000	Dames & Moore	103-03888		\$ 189.58	\$ 189.58	Phase 4 Report	
2000	Dames & Moore	103-03888		\$ 165.00	\$ 165.00	Quarterly Sampling	
2000	Dames & Moore	103-03888		\$ 6.49	\$ 6.49	Data Management	
2000	Dames & Moore	103-03888		\$ 543.84	\$ 543.84	Design - Bid	
2000	Dames & Moore	103-03888		\$ 10,673.40	\$ 10,673.40	System Installation	
2000	Dames & Moore	103-03888		\$ 1,341.30	\$ 1,341.30	Task Management	
2000	Dames & Moore	103-03893	\$ 15,563.50			Soil and Groundwater Assessment and Remediation	
2000	Dames & Moore	103-03893		\$ 82.36	\$ 82.36	Field Investigation	
2000	Dames & Moore	103-03893		\$ 3,436.64	\$ 3,436.64	Phase 4 Report	
2000	Dames & Moore	103-03893		\$ 754.91	\$ 754.91	Quarterly Sampling	
2000	Dames & Moore	103-03893		\$ 1,589.50	\$ 1,589.50	Design - Bid	
2000	Dames & Moore	103-03893		\$ 3,407.50	\$ 3,407.50	System Installation	
2000	Dames & Moore	103-03893		\$ 3,630.00	\$ 3,630.00	Start-Up	
2000	Dames & Moore	103-03893		\$ 706.20	\$ 706.20	Operation & Report	
2000	Dames & Moore	103-03893		\$ 1,956.39	\$ 1,956.39	Task Management	
2000	Dames & Moore	103-03897	\$ 16,153.80			Soil and Groundwater Assessment and Remediation	
2000	Dames & Moore	103-03897		\$ 100.58	\$ 100.58	Administrative Management	
2000	Dames & Moore	103-03897		\$ 15.35	\$ 15.35	Monthly Reports	
2000	Dames & Moore	103-03897		\$ 2,313.02	\$ 2,313.02	Field Investigation	
2000	Dames & Moore	103-03897		\$ 434.78	\$ 434.78	Phase 4 Report	
2000	Dames & Moore	103-03897		\$ 55.73	\$ 55.73	Quarterly Sampling	
2000	Dames & Moore	103-03897		\$ 1,600.20	\$ 1,600.20	Design - Bid	
2000	Dames & Moore	103-03897		\$ 5,249.61	\$ 5,249.61	Start-Up	
2000	Dames & Moore	103-03897		\$ 2,319.41	\$ 2,319.41	Operation & Report	
2000	Dames & Moore	103-03897		\$ 4,065.12	\$ 4,065.12	Task Management	
2000	Dames & Moore	103-03901	\$ 10,441.44			Soil and Groundwater Assessment and Remediation	
2000	Dames & Moore	103-03901		\$ 11.65	\$ 11.65	Administrative Management	
2000	Dames & Moore	103-03901		\$ 13.11	\$ 13.11	Field Investigation	
2000	Dames & Moore	103-03901		\$ 60.00	\$ 60.00	Phase 4 Report	
2000	Dames & Moore	103-03901		\$ 30.00	\$ 30.00	Design - Bid	
2000	Dames & Moore	103-03901		\$ 1,380.11	\$ 1,380.11	System Installation	
2000	Dames & Moore	103-03901		\$ 71.89	\$ 71.89	Start-Up	
2000	Dames & Moore	103-03901		\$ 7,359.21	\$ 7,359.21	Operation & Report	
2000	Dames & Moore	103-03901		\$ 1,515.47	\$ 1,515.47	Task Management	
2000	Dames & Moore	103-03914	\$ 10,094.76			Soil and Groundwater Assessment and Remediation	
2000	Dames & Moore	103-03914		\$ 411.00	\$ 411.00	Administrative Management	
2000	Dames & Moore	103-03914		\$ 1,140.00	\$ 1,140.00	Community Relations	
2000	Dames & Moore	103-03914		\$ 718.27	\$ 718.27	Field Investigation	
2000	Dames & Moore	103-03914		\$ 20.39	\$ 20.39	Phase 4 Report	
2000	Dames & Moore	103-03914		\$ 3,289.65	\$ 3,289.65	System Installation	
2000	Dames & Moore	103-03914		\$ 160.00	\$ 160.00	Start-Up	
2000	Dames & Moore	103-03914		\$ 4,260.45	\$ 4,260.45	Operation & Report	
2000	Dames & Moore	103-03914		\$ 95.00	\$ 95.00	Task Management	
2000	URS	103-03917	\$ 11,665.27			Soil and Groundwater Assessment and Remediation	
2000	URS	103-03917		\$ 285.00	\$ 285.00	Monthly Reports	
2000	URS	103-03917		\$ 966.87	\$ 966.87	Community Relations	
2000	URS	103-03917		\$ 122.71	\$ 122.71	Quarterly Sampling	
2000	URS	103-03917		\$ 7,001.96	\$ 7,001.96	System Installation	
2000	URS	103-03917		\$ 220.00	\$ 220.00	Start-Up	
2000	URS	103-03917		\$ 2,105.40	\$ 2,105.40	Operation & Report	
2000	URS	103-03917		\$ 963.33	\$ 963.33	Task Management	
2000	URS	35957	\$ 14,771.88			Soil and Groundwater Assessment and Remediation	
2000	URS	35957		\$ 5.38	\$ 5.38	Administrative Management	
2000	URS	35957		\$ 12,239.90	\$ 12,239.90	Operation & Report	
2000	URS	35957		\$ 2,526.60	\$ 2,526.60	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2000	URS	40727	\$ 55,887.78			Soil and Groundwater Assessment and Remediation	
2000	URS	40727		\$ 1,821.83	\$ 1,821.83	Administrative Management	
2000	URS	40727		\$ 51,137.77	\$ 51,137.77	Operation & Report	
2000	URS	40727		\$ 2,928.18	\$ 2,928.18	Task Management	
2000	URS	45251	\$ 9,632.68			Soil and Groundwater Assessment and Remediation	
2000	URS	45251		\$ 651.00	\$ 651.00	Administrative Management	
2000	URS	45251		\$ 7,604.18	\$ 7,604.18	Operation & Report	
2000	URS	45251		\$ 1,377.50	\$ 1,377.50	Task Management	
2001	URS	56821	\$ 9,688.23			Soil and Groundwater Assessment and Remediation	
2001	URS	56821		\$ 63.00	\$ 63.00	Administrative Management	
2001	URS	56821		\$ 5,468.69	\$ 5,468.69	Operation & Report	
2001	URS	56821		\$ 4,156.54	\$ 4,156.54	Task Management	
2001	URS	63830	\$ 8,499.30			Soil and Groundwater Assessment and Remediation	
2001	URS	63830		\$ 316.00	\$ 316.00	Administrative Management	
2001	URS	63830		\$ 6,710.80	\$ 6,710.80	Operation & Report	
2001	URS	63830		\$ 1,472.50	\$ 1,472.50	Task Management	
2001	URS	67199	\$ 12,072.22			Soil and Groundwater Assessment and Remediation	
2001	URS	67199		\$ 1,411.00	\$ 1,411.00	Administrative Management	
2001	URS	67199		\$ 190.00	\$ 190.00	Monthly Reports	
2001	URS	67199		\$ 6,572.75	\$ 6,572.75	Operation & Report	
2001	URS	67199		\$ 3,898.47	\$ 3,898.47	Task Management	
2001	URS	74491	\$ 4,737.03			Soil and Groundwater Assessment and Remediation	
2001	URS	74491		\$ 221.00	\$ 221.00	Administrative Management	
2001	URS	74491		\$ 190.00	\$ 190.00	Monthly Reports	
2001	URS	74491		\$ 4,114.03	\$ 4,114.03	Operation & Report	
2001	URS	74491		\$ 212.00	\$ 212.00	Task Management	
2001	URS	82363	\$ 8,127.09			Soil and Groundwater Assessment and Remediation	
2001	URS	82363		\$ 369.00	\$ 369.00	Administrative Management	
2001	URS	82363		\$ 4,905.59	\$ 4,905.59	Operation & Report	
2001	URS	82363		\$ 2,852.50	\$ 2,852.50	Task Management	
2001	URS	84417	\$ 9,528.67			Soil and Groundwater Assessment and Remediation	
2001	URS	84417		\$ 295.00	\$ 295.00	Administrative Management	
2001	URS	84417		\$ 4,608.67	\$ 4,608.67	Operation & Report	
2001	URS	84417		\$ 4,625.00	\$ 4,625.00	Task Management	
2001	URS	03235	\$ 1,458.59			Phase 4 Investigation and Remediation	
2001	URS	03235		\$ 1,458.59	\$ 1,458.59	Operation & Report	
2001	URS	97030	\$ 26,529.01			Vadose Zone Remediation	
2001	URS	97030		\$ 5,109.06	\$ 5,109.06	Routine Site Visits	
2001	URS	97030		\$ 2,255.72	\$ 2,255.72	Monthly Reports	
2001	URS	97030		\$ 2,412.06	\$ 2,412.06	On-Call O & M	
2001	URS	97030		\$ 8,551.13	\$ 8,551.13	Carbon Change outs	
2001	URS	97030		\$ 3,606.90	\$ 3,606.90	CAB Meetings	
2001	URS	97030		\$ 1,040.86	\$ 1,040.86	Tag Meeting	
2001	URS	97030		\$ 2,828.16	\$ 2,828.16	Task Management	
2001	URS	97030		\$ 725.12	\$ 725.12	Task Management	
2001	URS	02016	\$ 16,904.16			Vadose Zone Remediation	
2001	URS	02016		\$ 3,264.88	\$ 937.30	Routine Site Visits	Appropriate documentation/Invoice backup missing
2001	URS	02016		\$ 834.30	\$ 834.30	Monthly Reports	
2001	URS	02016		\$ 57.30	\$ -	Tag Meeting	Appropriate documentation/Invoice backup missing
2001	URS	02016		\$ 1,513.07	\$ 1,513.07	Task Management	
2001	URS	02016		\$ 1,891.08	\$ 1,891.08	SSHP	
2001	URS	02016		\$ 1,534.78	\$ 1,359.60	Equipment Specification Review	Appropriate documentation/Invoice backup missing
2001	URS	02016		\$ 6,872.48	\$ 6,754.23	Installation Startup	Appropriate documentation/Invoice backup missing
2001	URS	02016		\$ 936.27	\$ 936.27	Task Management	
2001	URS	10408	\$ 6,184.10			Vadose Zone Remediation	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2001	URS	10408		\$ 753.26	\$ 753.26	Routine Site Visits	
2001	URS	10408		\$ 317.24	\$ 317.24	Monthly Reports	
2001	URS	10408		\$ 581.95	\$ 581.95	Task Management	
2001	URS	10408		\$ 56.65	\$ 56.65	Equipment Specification Review	
2001	URS	10408		\$ 3,751.94	\$ 3,751.94	Installation Startup	
2001	URS	10408		\$ 723.06	\$ 723.06	Task Management	
2001	URS	11855	\$ 19,280.75			Vadose Zone Remediation	
2001	URS	11855		\$ 3,969.75	\$ 1,016.61	Routine Site Visits	Appropriate documentation/Invoice backup missing
2001	URS	11855		\$ 985.52	\$ 985.52	On-Call O & M	
2001	URS	11855		\$ 3,346.47	\$ 3,346.47	CAB Meetings	
2001	URS	11855		\$ 3,069.92	\$ 3,069.92	Task Management	
2001	URS	11855		\$ 146.44	\$ 146.44	Equipment Specification Review	
2001	URS	11855		\$ 4,869.47	\$ 4,869.47	Installation Startup	
2001	URS	11855		\$ 1,040.72	\$ 1,040.72	Routine O & M	
2001	URS	11855		\$ 84.98	\$ 84.98	Reporting	
2001	URS	11855		\$ 1,767.48	\$ 1,767.48	Task Management	
2001	URS	15634	\$ 24,754.22			Vadose Zone Remediation	
2001	URS	15634		\$ 3,484.90	\$ 3,484.90	Routine Site Visits	
2001	URS	15634		\$ 931.85	\$ 931.85	Monthly Reports	
2001	URS	15634		\$ 5,085.66	\$ 5,085.66	On-Call O & M	
2001	URS	15634		\$ 4,508.08	\$ 4,508.08	Carbon Change outs	
2001	URS	15634		\$ 165.34	\$ 165.34	CAB Meetings	
2001	URS	15634		\$ 2,559.37	\$ 2,559.37	Task Management	
2001	URS	15634		\$ 304.73	\$ 304.73	Installation Startup	
2001	URS	15634		\$ 6,498.37	\$ 6,498.37	Routine O & M	
2001	URS	15634		\$ 1,215.92	\$ 1,215.92	Task Management	
2001	URS	52136	\$ 22,105.79			Soil and Groundwater Assessment and Remediation	
2001	URS	52136		\$ 102.00	\$ 102.00	Administrative Management	
2001	URS	52136		\$ 21,517.92	\$ 6,691.24	Operation & Report	Appropriate documentation/Invoice backup missing
2001	URS	52136		\$ 485.87	\$ 485.87	Task Management	
2002	URS	23531	\$ 4,079.35			Vadose Zone Remediation	
2002	URS	23531		\$ 2,059.94	\$ 2,059.94	Routine Site Visits	
2002	URS	23531		\$ 383.68	\$ 383.68	Monthly Reports	
2002	URS	23531		\$ (1,762.41)	\$ (1,762.41)	On-Call O & M	
2002	URS	23531		\$ 67.82	\$ 67.82	Carbon Change outs	
2002	URS	23531		\$ 9.80	\$ 9.80	CAB Meetings	
2002	URS	23531		\$ 2,756.28	\$ 2,756.28	Task Management	
2002	URS	23531		\$ 262.96	\$ 262.96	Routine O & M	
2002	URS	23531		\$ 301.28	\$ 301.28	Task Management	
2002	URS	23999	\$ 5,629.47			Remediation Support Tasks	
2002	URS	23999		\$ 203.94	\$ 203.94	SVE Carryover	
2002	URS	23999		\$ 519.12	\$ 519.12	ADEQ/Tag Meeting	
2002	URS	23999		\$ 2,686.24	\$ 2,686.24	CAB Meetings	
2002	URS	23999		\$ 648.90	\$ 648.90	ADEQ Oversight	
2002	URS	23999		\$ 282.74	\$ 282.74	SVE Permit Revision	
2002	URS	23999		\$ 1,288.53	\$ 1,288.53	Project Management	
2002	URS	24005	\$ 5,244.77			Vadose Zone Confirmation Study	
2002	URS	24005		\$ 5,144.34	\$ 5,144.34	Work Plan	
2002	URS	24005		\$ 100.43	\$ 100.43	Project Management	
2002	URS	26525	\$ 374.99			Vadose Zone Remediation	
2002	URS	26525		\$ 204.31	\$ 204.31	Routine Site Visits	
2002	URS	26525		\$ (25.89)	\$ (25.89)	On-Call O & M	
2002	URS	26525		\$ 196.57	\$ 196.57	Routine O & M	
2002	URS	31542	\$ 3,094.98			Remediation Support Tasks	
2002	URS	31542		\$ 749.79	\$ 749.79	SVE Carryover	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2002	URS	31542		\$ 509.85	\$ 509.85	Compliance Reporting	
2002	URS	31542		\$ 475.62	\$ 475.62	CAB Meetings	
2002	URS	31542		\$ 6.73	\$ 6.73	ADEQ Oversight	
2002	URS	31542		\$ 124.71	\$ 124.71	SVE Permit Revision	
2002	URS	31542		\$ 1,228.28	\$ 1,228.28	Project Management	
2002	URS	31549	\$ 776.62			Vadose Zone Confirmation Study	
2002	URS	31549		\$ 412.00	\$ 412.00	Work Plan	
2002	URS	31549		\$ 364.62	\$ 364.62	Project Management	
2002	URS	37214	\$ 9,486.98			Remediation Support Tasks	
2002	URS	37214		\$ 5,279.43	\$ 5,279.43	SVE Carryover	
2002	URS	37214		\$ 2,725.38	\$ 2,725.38	ADEQ/Tag Meeting	
2002	URS	37214		\$ 623.15	\$ 623.15	SVE Permit Revision	
2002	URS	37214		\$ 859.02	\$ 859.02	Project Management	
2002	URS	37221	\$ 20.09			Vadose Zone Confirmation Study	
2002	URS	37221		\$ 20.09	\$ 20.09	Project Management	
2002	URS	44598	\$ 13,616.03			Remediation Support Tasks	
2002	URS	44598		\$ 8,894.13	\$ 8,894.13	SVE Carryover	
2002	URS	44598		\$ 203.94	\$ 203.94	Compliance Reporting	
2002	URS	44598		\$ 2,391.73	\$ 2,391.73	ADEQ/Tag Meeting	
2002	URS	44598		\$ 1,546.85	\$ 1,546.85	CAB Meetings	
2002	URS	44598		\$ 579.38	\$ 579.38	Project Management	
2002	URS	44761	\$ 149.87			Vadose Zone Confirmation Study	
2002	URS	44761		\$ 149.87	\$ 149.87	Project Management	
2002	URS	50966	\$ 937.42			Remediation Support Tasks	
2002	URS	50966		\$ 183.46	\$ 183.46	SVE Carryover	
2002	URS	50966		\$ 753.96	\$ 753.96	Project Management	
2002	URS	49807	\$ 7,467.68			Soil Vapor Extraction	
2002	URS	49807		\$ 996.19	\$ 996.19	Start-Up	
2002	URS	49807		\$ 2,119.70	\$ 2,119.70	Routine Operation & Site Visit	
2002	URS	49807		\$ 611.82	\$ 611.82	Monthly Reports	
2002	URS	49807		\$ 2,412.81	\$ 2,412.81	On-Call O & M	
2002	URS	49807		\$ 339.90	\$ 339.90	Carbon Change outs	
2002	URS	49807		\$ 987.26	\$ 987.26	Project Management	
2002	URS	49814	\$ 3,314.54			Vadose Zone Confirmation Study	
2002	URS	49814		\$ 3,314.54	\$ 3,314.54	Project Management	
2002	URS	183826	\$ 3,801.74			Vadose Zone Confirmation Study	
2002	URS	183826		\$ 2,658.43	\$ 2,658.43	Work Plan	
2002	URS	183826		\$ 1,143.31	\$ 1,143.31	Project Management	
2002	URS	228505	\$ 12,323.80			Soil Vapor Extraction	
2002	URS	228505		\$ 66.73	\$ 66.73	Start-Up	
2002	URS	228505		\$ 6,170.97	\$ 6,170.97	Routine Operation & Site Visit	
2002	URS	228505		\$ 783.83	\$ 783.83	Monthly Reports	
2002	URS	228505		\$ 586.25	\$ 586.25	On-Call O & M	
2002	URS	228505		\$ 413.55	\$ 413.55	Carbon Change outs	
2002	URS	228505		\$ 7.10	\$ 7.10	Compliance Reporting	
2002	URS	228505		\$ 2,575.78	\$ 2,575.78	CAB Meetings	
2002	URS	228505		\$ 1,297.80	\$ 1,297.80	Tag Meeting	
2002	URS	228505		\$ 421.79	\$ 421.79	Project Management	
2002	URS	259098	\$ 7,202.79			Vadose Zone Confirmation Study	
2002	URS	259098		\$ 6,068.76	\$ 6,068.76	Work Plan	
2002	URS	259098		\$ 1,134.03	\$ 1,134.03	Project Management	
2002	URS	234323	\$ 15,230.18			Soil Vapor Extraction	
2002	URS	234323		\$ 3,141.99	\$ 3,141.99	Routine Operation & Site Visit	
2002	URS	234323		\$ 373.89	\$ 373.89	Monthly Reports	
2002	URS	234323		\$ 600.60	\$ 600.60	On-Call O & M	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2002	URS	234323		\$ 9,810.27	\$ 9,810.27	Carbon Change outs	
2002	URS	234323		\$ 659.71	\$ 659.71	CAB Meetings	
2002	URS	234323		\$ 272.92	\$ 272.92	Tag Meeting	
2002	URS	234323		\$ 370.80	\$ 370.80	Project Management	
2002	URS	305123	\$ 1,081.92			Soil Vapor Extraction	
2002	URS	305123		\$ 360.40	\$ 360.40	Routine Operation & Site Visit	
2002	URS	305123		\$ 373.89	\$ 373.89	Monthly Reports	
2002	URS	305123		\$ 324.45	\$ 324.45	CAB Meetings	
2002	URS	305123		\$ 23.18	\$ 23.18	Project Management	
2002	URS	306986	\$ 2,791.59			Vadose Zone Confirmation Study	
2002	URS	306986		\$ 829.42	\$ 829.42	Work Plan	
2002	URS	306986		\$ 1,192.75	\$ 1,192.75	Vadose Assessment	
2002	URS	306986		\$ 769.42	\$ 769.42	Project Management	
2002	URS	310593	\$ 579.90			Routine SVE Operations	
2002	URS	310593		\$ 373.89	\$ 373.89	Monthly Reports	
2002	URS	310593		\$ 206.01	\$ 206.01	Project Management	
2002	URS	310612	\$ 3,586.50			Vadose Zone Confirmation Study	
2002	URS	310612		\$ 139.57	\$ 139.57	Work Plan	
2002	URS	310612		\$ 2,717.68	\$ 2,717.68	Vadose Assessment	
2002	URS	310612		\$ 729.25	\$ 729.25	Project Management	
2002	URS	327743	\$ 1,134.79			Routine SVE Operations	
2002	URS	327743		\$ 355.08	\$ 355.08	Routine Operation & Site Visit	
2002	URS	327743		\$ 33.99	\$ 33.99	Monthly Reports	
2002	URS	327743		\$ 745.72	\$ 745.72	Project Management	
2002	URS	351981	\$ 4,891.17			Vadose Zone Confirmation Study	
2002	URS	351981		\$ 5.22	\$ 5.22	Work Plan	
2002	URS	351981		\$ 4,388.46	\$ 4,388.46	Vadose Assessment	
2002	URS	351981		\$ 497.49	\$ 497.49	Project Management	
2002	URS	369821	\$ 6,584.04			Routine SVE Operations	
2002	URS	369821		\$ 1,070.56	\$ 1,070.56	Routine Operation & Site Visit	
2002	URS	369821		\$ 135.96	\$ 135.96	Monthly Reports	
2002	URS	369821		\$ 3,300.00	\$ 3,300.00	On-Call O & M	
2002	URS	369821		\$ 237.93	\$ 237.93	Compliance Reporting	
2002	URS	369821		\$ 324.45	\$ 324.45	CAB Meetings	
2002	URS	369821		\$ 1,515.14	\$ 1,515.14	Project Management	
2002	URS	357392	\$ 1,629.28			Vadose Zone Confirmation Study	
2002	URS	357392		\$ 21.00	\$ 21.00	Work Plan	
2002	URS	357392		\$ 982.52	\$ 982.52	Vadose Assessment	
2002	URS	357392		\$ 625.76	\$ 625.76	Project Management	
2003	URS	387295	\$ 18,243.31			Vadose Zone Confirmation Study	
2003	URS	387295		\$ 704.64	\$ 704.64	Work Plan	
2003	URS	387295		\$ 16,070.91	\$ 16,070.91	Vadose Assessment	
2003	URS	387295		\$ 1,467.76	\$ 1,467.76	Project Management	
2003	URS	423896	\$ 23,159.40			Vadose Zone Confirmation Study	
2003	URS	423896		\$ 9.52	\$ 9.52	Work Plan	
2003	URS	423896		\$ 17,837.51	\$ 17,837.51	Vadose Assessment	
2003	URS	423896		\$ 645.81	\$ 645.81	Draft Report	
2003	URS	423896		\$ 2,102.77	\$ 2,102.77	Project Management	
2003	URS	423896		\$ 2,563.79	\$ 2,563.79	Pilot Test Implementation	
2003	URS	465441	\$ 72,815.27			Vadose Zone Confirmation Study	
2003	URS	465441		\$ 68,160.40	\$ 68,160.40	Vadose Assessment	
2003	URS	465441		\$ 3,952.87	\$ 3,952.87	Draft Report	
2003	URS	465441		\$ 702.00	\$ 702.00	Project Management	
2003	URS	499866	\$ 33,380.18			Vadose Zone Confirmation Study	
2003	URS	499866		\$ 40.27	\$ 40.27	Work Plan	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2003	URS	499866		\$ 19,615.33	\$ 394.09	Vadose Assessment	Appropriate documentation/Invoice backup missing
2003	URS	499866		\$ 4,689.94	\$ 4,689.94	Draft Report	
2003	URS	499866		\$ 5,513.83	\$ 5,513.83	Project Management	
2003	URS	499866		\$ 3,520.81	\$ 3,278.51	Pilot Test Implementation	Appropriate documentation/Invoice backup missing
2003	URS	547206	\$ 12,876.46			Vadose Zone Confirmation Study	
2003	URS	547206		\$ 20.68	\$ 20.68	Work Plan	
2003	URS	547206		\$ 6,675.43	\$ 6,675.43	Draft Report	
2003	URS	547206		\$ 3,670.92	\$ 3,670.92	Final Report	
2003	URS	547206		\$ 1,718.09	\$ 1,718.09	Project Management	
2003	URS	547206		\$ 791.34	\$ 791.34	Pilot Test Implementation	
2003	URS	590412	\$ 16,437.28			Vadose Zone Confirmation Study	
2003	URS	590412		\$ 2,901.54	\$ 2,901.54	Vadose Assessment	
2003	URS	590412		\$ 7,334.67	\$ 7,334.67	Draft Report	
2003	URS	590412		\$ 149.26	\$ 149.26	Final Report	
2003	URS	590412		\$ 4,703.74	\$ 4,703.74	Waste Handling	
2003	URS	590412		\$ 1,274.99	\$ 1,274.99	Project Management	
2003	URS	590412		\$ 73.08	\$ 73.08	Pilot Test Implementation	
2003	URS	637414	\$ 5,164.47			Vadose Zone Confirmation Study	
2003	URS	637414		\$ 559.48	\$ 559.48	Vadose Assessment	
2003	URS	637414		\$ 2,325.08	\$ 2,325.08	Draft Report	
2003	URS	637414		\$ 244.11	\$ 244.11	Final Report	
2003	URS	637414		\$ 2,035.80	\$ 2,035.80	Project Management	
2003	URS	687832	\$ 11,678.59			Vadose Zone Confirmation Study	
2003	URS	687832		\$ 3,694.61	\$ 3,694.61	Vadose Assessment	
2003	URS	687832		\$ 1,703.04	\$ 1,703.04	Final Report	
2003	URS	687832		\$ 1,189.65	\$ 1,189.65	Waste Handling	
2003	URS	687832		\$ 4,366.17	\$ 4,366.17	Project Management	
2003	URS	687832		\$ 725.12	\$ 725.12	Pilot Test Implementation	
2003	URS	728740	\$ 41,579.30			Vadose Zone Confirmation Study	
2003	URS	728740		\$ 9,590.86	\$ 9,590.86	Vadose Assessment	
2003	URS	728740		\$ (958.20)	\$ (958.20)	Project Management	
2003	URS	728740		\$ 32,946.64	\$ 32,946.64	Pilot Test Implementation	
2003	URS	784685	\$ 47,602.11			Vadose Zone Confirmation Study	
2003	URS	784685		\$ 7,145.64	\$ 143.17	Vadose Assessment	Appropriate documentation/Invoice backup missing
2003	URS	784685		\$ 8,333.23	\$ 3,161.07	Waste Handling	Appropriate documentation/Invoice backup missing
2003	URS	784685		\$ 4,792.60	\$ 4,792.60	Project Management	
2003	URS	784685		\$ 27,330.64	\$ 3,137.90	Pilot Test Implementation	Appropriate documentation/Invoice backup missing
2003	URS	812210	\$ 13,274.40			Vadose Zone Confirmation Study	
2003	URS	812210		\$ 290.46	\$ 290.46	Vadose Assessment	
2003	URS	812210		\$ 135.96	\$ 135.96	Final Report	
2003	URS	812210		\$ 1,590.77	\$ 1,225.70	Waste Handling	Appropriate documentation/Invoice backup missing
2003	URS	812210		\$ 4,268.84	\$ 4,268.84	Project Management	
2003	URS	812210		\$ 6,988.37	\$ 5,957.12	Pilot Test Implementation	Appropriate documentation/Invoice backup missing
2003	URS	849284	\$ 7,663.18			Vadose Zone Confirmation Study	
2003	URS	849284		\$ 671.05	\$ 671.05	Final Report	
2003	URS	849284		\$ 4,704.51	\$ 4,704.51	Waste Handling	
2003	URS	849284		\$ 1,282.01	\$ 1,282.01	Project Management	
2003	URS	849284		\$ 1,005.61	\$ 395.73	Pilot Test Implementation	Appropriate documentation/Invoice backup missing
2003	URS	423898	\$ 6,962.13			Routine SVE Operations	
2003	URS	423898		\$ 2,944.48	\$ 2,944.48	Routine Operation & Site Visit	
2003	URS	423898		\$ 475.86	\$ 475.86	Compliance Reporting	
2003	URS	423898		\$ 1,396.80	\$ 1,396.80	Tag Meeting	
2003	URS	423898		\$ 2,144.99	\$ 2,144.99	Project Management	
2003	URS	474691	\$ 2,011.69			Routine SVE Operations	
2003	URS	474691		\$ 203.94	\$ 203.94	Compliance Reporting	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2003	URS	474691		\$ 1,807.75	\$ 1,807.75	Project Management	
2003	URS	499868	\$ 13,171.18			Routine SVE Operations	
2003	URS	499868		\$ 4,578.26	\$ 4,578.26	Routine Operation & Site Visit	
2003	URS	499868		\$ 2,297.55	\$ 2,297.55	CAB Meetings	
2003	URS	499868		\$ 50.47	\$ 50.47	Tag Meeting	
2003	URS	499868		\$ 6,244.90	\$ 6,244.90	Project Management	
2003	URS	576176	\$ 1,028.57			Routine SVE Operations	
2003	URS	576176		\$ 355.08	\$ 355.08	Routine Operation & Site Visit	
2003	URS	576176		\$ 673.49	\$ 673.49	Project Management	
2003	URS	590414	\$ 509.58			Routine SVE Operations	
2003	URS	590414		\$ 355.08	\$ 355.08	Routine Operation & Site Visit	
2003	URS	590414		\$ 154.50	\$ 154.50	Project Management	
2003	URS	637416	\$ 406.58			Routine SVE Operations	
2003	URS	637416		\$ 355.08	\$ 355.08	Routine Operation & Site Visit	
2003	URS	637416		\$ 51.50	\$ 51.50	Project Management	
2003	URS	687834	\$ 2,534.56			Routine SVE Operations	
2003	URS	687834		\$ 355.08	\$ -	Routine Operation & Site Visit	Appropriate documentation/Invoice backup missing
2003	URS	687834		\$ 2,179.48	\$ 2,179.48	CAB Meetings	
2003	URS	728741	\$ 2,084.39			Routine SVE Operations	
2003	URS	728741		\$ 355.08	\$ 355.08	Routine Operation & Site Visit	
2003	URS	728741		\$ 1,652.06	\$ 1,652.06	CAB Meetings	
2003	URS	728741		\$ 77.25	\$ 77.25	Project Management	
2003	URS	784686	\$ 1,524.13			Routine SVE Operations	
2003	URS	784686		\$ 784.59	\$ 784.59	Routine Operation & Site Visit	
2003	URS	784686		\$ 739.54	\$ 739.54	Tag Meeting	
2003	URS	812211	\$ 728.98			Routine SVE Operations	
2003	URS	812211		\$ 355.08	\$ 355.08	Routine Operation & Site Visit	
2003	URS	812211		\$ 10.31	\$ 10.31	Tag Meeting	
2003	URS	812211		\$ 363.59	\$ 363.59	Project Management	
2004	URS	889550	\$ 7,252.97			Vadose Zone Confirmation Study	
2004	URS	889550		\$ 7,008.46	\$ 7,008.46	Waste Handling	
2004	URS	889550		\$ 220.42	\$ 220.42	Project Management	
2004	URS	889550		\$ 24.09	\$ 24.09	Pilot Test Implementation	
2004	URS	967940	\$ 803.18			Vadose Zone Confirmation Study	
2004	URS	967940		\$ 374.49	\$ 374.49	Waste Handling	
2004	URS	967940		\$ 428.69	\$ 428.69	Project Management	
2004	URS	1007246	\$ 1,372.08			Vadose Zone Confirmation Study	
2004	URS	1007246		\$ 1,203.16	\$ 1,203.16	Waste Handling	
2004	URS	1007246		\$ 168.92	\$ 168.92	Project Management	
2004	URS	1065509	\$ 504.19			Vadose Zone Confirmation Study	
2004	URS	1065509		\$ 237.93	\$ 237.93	Waste Handling	
2004	URS	1065509		\$ 266.26	\$ 266.26	Project Management	
2004	URS	1147252	\$ 143.17			Vadose Zone Confirmation Study	
2004	URS	1147252		\$ 33.99	\$ 33.99	Waste Handling	
2004	URS	1147252		\$ 143.17	\$ 143.17	Project Management	
2004	URS	1147252		\$ (33.99)	\$ (33.99)	Pilot Test Implementation	
2004	URS	889551	\$ 1,051.53			Routine SVE Operations	
2004	URS	889551		\$ 360.40	\$ 360.40	Routine Operation & Site Visit	
2004	URS	889551		\$ 181.28	\$ 181.28	Compliance Reporting	
2004	URS	889551		\$ 509.85	\$ 509.85	Project Management	
2004	URS	967941	\$ 2,271.15			Routine SVE Operations	
2004	URS	967941		\$ 286.34	\$ 286.34	Routine Operation & Site Visit	
2004	URS	967941		\$ 215.27	\$ 215.27	Compliance Reporting	
2004	URS	967941		\$ 1,769.54	\$ 1,769.54	Project Management	
2004	URS	1007247	\$ 6,842.07			Routine SVE Operations	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2004	URS	1007247		\$ 5,452.59	\$ 5,452.59	Routine Operation & Site Visit	
2004	URS	1007247		\$ 713.79	\$ 713.79	Compliance Reporting	
2004	URS	1007247		\$ 675.69	\$ 675.69	Project Management	
2004	URS	1140206	\$ 1,878.97			Routine SVE Operations	
2004	URS	1140206		\$ 441.60	\$ 441.60	Routine Operation & Site Visit	
2004	URS	1140206		\$ 1,437.37	\$ 1,437.37	Project Management	
2004	URS	1147253	\$ 986.39			Routine SVE Operations	
2004	URS	1147253		\$ 614.03	\$ 614.03	Routine Operation & Site Visit	
2004	URS	1147253		\$ 372.36	\$ 372.36	Project Management	
2004	URS	1228127	\$ 224.16			Routine SVE Operations	
2004	URS	1228127		\$ 224.16	\$ 224.16	Routine Operation & Site Visit	
2004	URS	1147260	\$ 13,223.69			Soil Vapor Extraction/Multi-Phase Extraction	
2004	URS	1147260		\$ 2,239.74	\$ 2,239.74	Indoor Air Sampling	
2004	URS	1147260		\$ 1,431.70	\$ 1,431.70	CAB Meetings	
2004	URS	1147260		\$ 3,813.59	\$ 3,813.59	SVE Task Management	
2004	URS	1147260		\$ 5,738.66	\$ 5,738.66	MPE Task Management	
2004	URS	1199673	\$ 19,138.04			Soil Vapor Extraction/Multi-Phase Extraction	
2004	URS	1199673		\$ 1,793.18	\$ 1,793.18	Indoor Air Sampling	
2004	URS	1199673		\$ 441.87	\$ 441.87	Air Permit Compliance	
2004	URS	1199673		\$ 2,056.91	\$ 2,056.91	SVE System Startup	
2004	URS	1199673		\$ 403.76	\$ 403.76	Routine Soil Vapor Well Monitoring/Report	
2004	URS	1199673		\$ 292.41	\$ 292.41	CAB Meetings	
2004	URS	1199673		\$ 915.10	\$ 915.10	SVE Task Management	
2004	URS	1199673		\$ 10,520.19	\$ 10,520.19	MPE System Design/Permitting	
2004	URS	1199673		\$ 702.57	\$ 702.57	MPE Well Installation	
2004	URS	1199673		\$ 2,012.05	\$ 2,012.05	MPE Task Management	
2004	URS	1232906	\$ 21,880.37			Soil Vapor Extraction/Multi-Phase Extraction	
2004	URS	1232906		\$ 1,769.03	\$ 1,769.03	Install/ Addt'l SVE Well	
2004	URS	1232906		\$ 1,797.61	\$ 1,797.61	SVE System Startup	
2004	URS	1232906		\$ 2,017.66	\$ 2,017.66	Routine Soil Vapor Well Monitoring/Report	
2004	URS	1232906		\$ 1,497.62	\$ 1,497.62	SVE Task Management	
2004	URS	1232906		\$ 13,829.22	\$ 13,829.22	MPE System Design/Permitting	
2004	URS	1232906		\$ 969.23	\$ 969.23	MPE Task Management	
2004	URS	1287373	\$ 39,559.89			Soil Vapor Extraction/Multi-Phase Extraction	
2004	URS	1287373		\$ 2,774.34	\$ 2,774.34	Install/ Addt'l SVE Well	
2004	URS	1287373		\$ 4,341.17	\$ 4,341.17	SVE System Startup	
2004	URS	1287373		\$ 355.08	\$ 355.08	Routine Operation & Site Visit	
2004	URS	1287373		\$ 2,321.78	\$ 2,321.78	Routine Soil Vapor Well Monitoring/Report	
2004	URS	1287373		\$ 2,004.90	\$ 2,004.90	SVE Task Management	
2004	URS	1287373		\$ 20,842.04	\$ 20,842.04	MPE System Design/Permitting	
2004	URS	1287373		\$ 1,618.13	\$ 1,618.13	MPE Task Management	
2004	URS	1287373		\$ 5,302.45	\$ 5,302.45	Remedial Invest Report Review	
2004	URS	1336897	\$ 56,437.10			Soil Vapor Extraction/Multi-Phase Extraction	
2004	URS	1336897		\$ 4,960.25	\$ 4,960.25	Install/ Addt'l SVE Well	
2004	URS	1336897		\$ 10,423.98	\$ 10,423.98	SVE System Startup	
2004	URS	1336897		\$ 1,125.01	\$ 1,125.01	Routine Operation & Site Visit	
2004	URS	1336897		\$ 849.75	\$ 849.75	Monthly Operations Reports	
2004	URS	1336897		\$ 135.96	\$ 135.96	SVE Carbon Change outs	
2004	URS	1336897		\$ 3,232.66	\$ 3,232.66	SVE Task Management	
2004	URS	1336897		\$ 26,335.95	\$ 26,335.95	MPE System Design/Permitting	
2004	URS	1336897		\$ 113.30	\$ 113.30	Procurement	
2004	URS	1336897		\$ 3,221.33	\$ 3,221.33	MPE Task Management	
2004	URS	1336897		\$ 2,189.27	\$ 2,189.27	Remedial Invest Report Review	
2004	URS	1336897		\$ 2,632.69	\$ 2,632.69	Public Meeting	
2004	URS	1336897		\$ 1,216.95	\$ 1,216.95	Report Comments	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2004	URS	1397984	\$ 16,716.53			Soil Vapor Extraction/Multi-Phase Extraction	
2004	URS	1397984		\$ 1,986.81	\$ 1,986.81	Install/ Addt'l SVE Well	
2004	URS	1397984		\$ 671.83	\$ 671.83	SVE System Startup	
2004	URS	1397984		\$ 1,530.84	\$ 1,530.84	Routine Operation & Site Visit	
2004	URS	1397984		\$ 1,538.82	\$ 1,538.82	Monthly Operations Reports	
2004	URS	1397984		\$ 3,905.25	\$ 3,905.25	Routine Soil Vapor Well Monitoring/Report	
2004	URS	1397984		\$ 152.44	\$ 152.44	SVE Carbon Change outs	
2004	URS	1397984		\$ 315.18	\$ 315.18	CAB Meetings	
2004	URS	1397984		\$ 747.27	\$ 747.27	SVE Task Management	
2004	URS	1397984		\$ 2,980.26	\$ 2,980.26	MPE System Design/Permitting	
2004	URS	1397984		\$ 623.15	\$ 623.15	Procurement	
2004	URS	1397984		\$ 432.60	\$ 432.60	MPE Well Installation	
2004	URS	1397984		\$ 888.89	\$ 888.89	MPE Task Management	
2004	URS	1397984		\$ 934.05	\$ 934.05	Public Meeting	
2004	URS	1397984		\$ 9.14	\$ 9.14	Report Comments	
2004	URS	1420665	\$ 17,131.53			Soil Vapor Extraction/Multi-Phase Extraction	
2004	URS	1420665		\$ 1,001.76	\$ 1,001.76	Install/ Addt'l SVE Well	
2004	URS	1420665		\$ 2,836.13	\$ 2,836.13	SVE System Startup	
2004	URS	1420665		\$ 2,961.58	\$ 2,961.58	Routine Operation & Site Visit	
2004	URS	1420665		\$ 867.26	\$ 867.26	Monthly Operations Reports	
2004	URS	1420665		\$ 4,858.61	\$ 4,858.61	Routine Soil Vapor Well Monitoring/Report	
2004	URS	1420665		\$ 135.96	\$ 135.96	SVE Carbon Change outs	
2004	URS	1420665		\$ 1,085.12	\$ 1,085.12	SVE Task Management	
2004	URS	1420665		\$ (12,121.56)	\$ (12,121.56)	MPE System Design/Permitting	
2004	URS	1420665		\$ 12,448.07	\$ 12,448.07	Procurement	
2004	URS	1420665		\$ 43.26	\$ 43.26	MPE Well Installation	
2004	URS	1420665		\$ 2,272.70	\$ 2,272.70	MPE IDW Management	
2004	URS	1420665		\$ 742.64	\$ 742.64	MPE Task Management	
2004	URS	1458820	\$ 35,238.27			Soil Vapor Extraction/Multi-Phase Extraction	
2004	URS	1458820		\$ 7,007.61	\$ 7,007.61	Routine Operation & Site Visit	
2004	URS	1458820		\$ 509.85	\$ 509.85	Monthly Operations Reports	
2004	URS	1458820		\$ 1,311.71	\$ 1,311.71	Routine Soil Vapor Well Monitoring/Report	
2004	URS	1458820		\$ 712.76	\$ 712.76	On-Call O & M	
2004	URS	1458820		\$ 33.99	\$ 33.99	SVE Carbon Change outs	
2004	URS	1458820		\$ 798.77	\$ 798.77	SVE Task Management	
2004	URS	1458820		\$ 154.50	\$ 154.50	MPE System Design/Permitting	
2004	URS	1458820		\$ 56.65	\$ 56.65	Procurement	
2004	URS	1458820		\$ 13,993.92	\$ 13,993.92	MPE Well Installation	
2004	URS	1458820		\$ 220.00	\$ 220.00	MPE IDW Management	
2004	URS	1458820		\$ 3,897.01	\$ 3,897.01	MPE Task Management	
2004	URS	1458820		\$ 6,541.50	\$ 6,541.50	Sewer-Design/Permitting	
2005	URS	1565112	\$ 48,702.18			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	1565112		\$ 577.83	\$ 577.83	Air Permit Compliance	
2005	URS	1565112		\$ 6,380.37	\$ 6,380.37	Install/ Addt'l SVE Well	
2005	URS	1565112		\$ 3,278.15	\$ 3,278.15	Routine Operation & Site Visit	
2005	URS	1565112		\$ 509.85	\$ 509.85	Monthly Operations Reports	
2005	URS	1565112		\$ 11,416.68	\$ 11,416.68	Routine Soil Vapor Well Monitoring/Report	
2005	URS	1565112		\$ 3,662.68	\$ 3,662.68	On-Call O & M	
2005	URS	1565112		\$ 1,110.86	\$ 1,110.86	SVE Task Management	
2005	URS	1565112		\$ 8,281.79	\$ 8,281.79	MPE System Design/Permitting	
2005	URS	1565112		\$ 302.82	\$ 302.82	Procurement	
2005	URS	1565112		\$ 9,463.89	\$ 9,463.89	MPE Well Installation	
2005	URS	1565112		\$ 283.25	\$ 283.25	MPE IDW Management	
2005	URS	1565112		\$ 987.26	\$ 987.26	MPE Task Management	
2005	URS	1565112		\$ 2,273.71	\$ 2,273.71	Sewer-Design/Permitting	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2005	URS	1565112		\$ 173.04	\$ 173.04	Sewer-Constr. Oversight Service	
2005	URS	1608197	\$ 65,198.80			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	1608197		\$ 158.62	\$ 158.62	Air Permit Compliance	
2005	URS	1608197		\$ 1,695.10	\$ 1,695.10	Routine Operations/Maintenance	
2005	URS	1608197		\$ 67.98	\$ 67.98	Monthly Operations Reports	
2005	URS	1608197		\$ 392.29	\$ 392.29	Routine Soil Vapor Well Monitoring/Report	
2005	URS	1608197		\$ 3,464.41	\$ 3,464.41	On-Call O & M	
2005	URS	1608197		\$ 1,889.03	\$ 1,889.03	SVE Task Management	
2005	URS	1608197		\$ 3,950.05	\$ 3,950.05	MPE System Design/Permitting	
2005	URS	1608197		\$ 49,853.17	\$ 49,853.17	MPE Well Installation	
2005	URS	1608197		\$ 1,143.86	\$ 1,143.86	MPE IDW Management	
2005	URS	1608197		\$ 1,503.30	\$ 1,503.30	MPE Task Management	
2005	URS	1608197		\$ 1,080.99	\$ 1,080.99	Sewer-Design/Permitting	
2005	URS	1639376	\$ 21,501.95			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	1639376		\$ 4,568.81	\$ 4,568.81	Air Permit Compliance	
2005	URS	1639376		\$ 2,026.27	\$ 2,026.27	Routine Operations/Maintenance	
2005	URS	1639376		\$ 691.13	\$ 691.13	Monthly Operations Reports	
2005	URS	1639376		\$ 6,600.00	\$ 6,600.00	Routine Soil Vapor Well Monitoring/Report	
2005	URS	1639376		\$ 290.11	\$ 290.11	On-Call O & M	
2005	URS	1639376		\$ 1,391.54	\$ 1,391.54	SVE Task Management	
2005	URS	1639376		\$ 874.47	\$ 874.47	MPE System Design/Permitting	
2005	URS	1639376		\$ 224.88	\$ 224.88	MPE Well Installation	
2005	URS	1639376		\$ 1,494.95	\$ 1,494.95	MPE IDW Management	
2005	URS	1639376		\$ 2,627.54	\$ 2,627.54	MPE Task Management	
2005	URS	1639376		\$ 712.25	\$ 712.25	Sewer-Design/Permitting	
2005	URS	1676643	\$ 28,246.14			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	1676643		\$ 367.28	\$ 367.28	Air Permit Compliance	
2005	URS	1676643		\$ 4,603.34	\$ 4,603.34	Routine Operations/Maintenance	
2005	URS	1676643		\$ 883.74	\$ 883.74	Monthly Operations Reports	
2005	URS	1676643		\$ 4,853.37	\$ 4,853.37	Routine Soil Vapor Well Monitoring/Report	
2005	URS	1676643		\$ 33.99	\$ 33.99	On-Call O & M	
2005	URS	1676643		\$ 5,672.25	\$ 5,672.25	SVE Carbon Change outs	
2005	URS	1676643		\$ 798.77	\$ 798.77	SVE Task Management	
2005	URS	1676643		\$ 944.00	\$ 944.00	MPE System Design/Permitting	
2005	URS	1676643		\$ 6,020.36	\$ 6,020.36	MPE IDW Management	
2005	URS	1676643		\$ 1,145.37	\$ 1,145.37	MPE Task Management	
2005	URS	1676643		\$ 2,923.67	\$ 2,923.67	Sewer-Design/Permitting	
2005	URS	1723979	\$ 18,960.78			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	1723979		\$ 38.63	\$ 38.63	Indoor Air Sampling	
2005	URS	1723979		\$ 33.99	\$ 33.99	Air Permit Compliance	
2005	URS	1723979		\$ 86.52	\$ 86.52	Install/ Addt'l SVE Well	
2005	URS	1723979		\$ 2,248.64	\$ 2,248.64	Routine O & M	
2005	URS	1723979		\$ 645.81	\$ 645.81	Monthly Operations Reports	
2005	URS	1723979		\$ 938.34	\$ 938.34	Routine Soil Vapor Well Monitoring/Report	
2005	URS	1723979		\$ 1,906.28	\$ 1,906.28	On-Call O & M	
2005	URS	1723979		\$ 67.98	\$ 67.98	SVE Investigative Derived Waste	
2005	URS	1723979		\$ 818.86	\$ 818.86	SVE Task Management	
2005	URS	1723979		\$ 4,905.33	\$ 4,905.33	MPE System Design/Permitting	
2005	URS	1723979		\$ 4,764.27	\$ 4,764.27	Procurement	
2005	URS	1723979		\$ 602.56	\$ 602.56	MPE IDW Management	
2005	URS	1723979		\$ 1,301.93	\$ 1,301.93	MPE Task Management	
2005	URS	1723979		\$ 601.64	\$ 601.64	Sewer-Design/Permitting	
2005	URS	1792153	\$ 34,542.20			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	1792153		\$ 43.26	\$ 43.26	Install/ Addt'l SVE Well	
2005	URS	1792153		\$ 4,479.68	\$ 4,479.68	Routine O & M	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2005	URS	1792153		\$ 373.89	\$ 373.89	Monthly Operations Reports	
2005	URS	1792153		\$ 9,060.25	\$ 9,060.25	Routine Soil Vapor Well Monitoring/Report	
2005	URS	1792153		\$ 97.42	\$ 97.42	On-Call O & M	
2005	URS	1792153		\$ 913.61	\$ 913.61	SVE Task Management	
2005	URS	1792153		\$ 9,162.90	\$ 9,162.90	MPE System Design/Permitting	
2005	URS	1792153		\$ 1,512.56	\$ 1,512.56	Procurement	
2005	URS	1792153		\$ 484.60	\$ 484.60	MPE Well Installation	
2005	URS	1792153		\$ 2,654.32	\$ 2,654.32	MPE System Construction	
2005	URS	1792153		\$ 293.55	\$ 293.55	MPE IDW Management	
2005	URS	1792153		\$ 2,029.62	\$ 2,029.62	MPE Task Management	
2005	URS	1792153		\$ 1,930.15	\$ 1,930.15	Sewer-Design/Permitting	
2005	URS	1792153		\$ 1,506.39	\$ 1,506.39	Sewer-Constr. Oversight Service	
2005	URS	1833005	\$ 40,458.17			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	1833005		\$ 3,787.76	\$ 3,787.76	Routine O & M	
2005	URS	1833005		\$ 415.09	\$ 415.09	Monthly Operations Reports	
2005	URS	1833005		\$ 4,434.41	\$ 4,434.41	Routine Soil Vapor Well Monitoring/Report	
2005	URS	1833005		\$ 3.03	\$ 3.03	SVE Investigative Derived Waste	
2005	URS	1833005		\$ 180.25	\$ 180.25	SVE Task Management	
2005	URS	1833005		\$ 7,616.65	\$ 7,616.65	MPE System Design/Permitting	
2005	URS	1833005		\$ 113.30	\$ 113.30	Procurement	
2005	URS	1833005		\$ 22,000.00	\$ 22,000.00	MPE System Construction	
2005	URS	1833005		\$ 3.03	\$ 3.03	MPE IDW Management	
2005	URS	1833005		\$ 829.15	\$ 829.15	MPE Task Management	
2005	URS	1833005		\$ 333.90	\$ 333.90	Sewer-Design/Permitting	
2005	URS	1833005		\$ 741.60	\$ 741.60	Sewer-Constr. Oversight Service	
2005	URS	1876324	\$ 27,671.93			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	1876324		\$ 2,492.66	\$ 2,492.66	Routine O & M	
2005	URS	1876324		\$ 815.76	\$ 815.76	Monthly Operations Reports	
2005	URS	1876324		\$ 330.64	\$ 330.64	Routine Soil Vapor Well Monitoring/Report	
2005	URS	1876324		\$ 101.97	\$ 101.97	SVE Carbon Change outs	
2005	URS	1876324		\$ 2,260.50	\$ 2,260.50	SVE Investigative Derived Waste	
2005	URS	1876324		\$ 460.93	\$ 460.93	SVE Task Management	
2005	URS	1876324		\$ 13,109.19	\$ 13,109.19	MPE System Design/Permitting	
2005	URS	1876324		\$ 229.69	\$ 229.69	Procurement	
2005	URS	1876324		\$ 1,687.14	\$ 1,687.14	MPE System Construction	
2005	URS	1876324		\$ 3,280.90	\$ 3,280.90	MPE IDW Management	
2005	URS	1876324		\$ 912.58	\$ 912.58	MPE Task Management	
2005	URS	1876324		\$ 198.28	\$ 198.28	Sewer-Design/Permitting	
2005	URS	1876324		\$ 1,791.69	\$ 1,791.69	Sewer-Constr. Oversight Service	
2005	URS	1936090	\$ 173,645.55			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	1936090		\$ 2,604.13	\$ 2,604.13	Routine O & M	
2005	URS	1936090		\$ 1,189.65	\$ 1,189.65	Monthly Operations Reports	
2005	URS	1936090		\$ 203.94	\$ 203.94	Routine Soil Vapor Well Monitoring/Report	
2005	URS	1936090		\$ 2,902.68	\$ 2,902.68	SVE Carbon Change outs	
2005	URS	1936090		\$ 624.18	\$ 624.18	SVE Task Management	
2005	URS	1936090		\$ 12,713.96	\$ 12,713.96	MPE System Design/Permitting	
2005	URS	1936090		\$ 3,125.02	\$ 3,125.02	Procurement	
2005	URS	1936090		\$ 135,071.89	\$ 135,071.89	MPE System Construction	
2005	URS	1936090		\$ 3,503.05	\$ 3,503.05	MPE Task Management	
2005	URS	1936090		\$ 11,707.05	\$ 11,707.05	Sewer-Constr. Oversight Service	
2005	URS	2005333	\$ 37,931.96			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	2005333		\$ 2,914.67	\$ 2,914.67	Routine O & M	
2005	URS	2005333		\$ 509.85	\$ 509.85	Monthly Operations Reports	
2005	URS	2005333		\$ 67.98	\$ 67.98	Routine Soil Vapor Well Monitoring/Report	
2005	URS	2005333		\$ 584.53	\$ 584.53	On-Call O & M	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2005	URS	2005333		\$ 454.07	\$ 454.07	SVE Investigative Derived Waste	
2005	URS	2005333		\$ 1,966.27	\$ 1,966.27	CAB Meetings	
2005	URS	2005333		\$ 25.75	\$ 25.75	SVE Task Management	
2005	URS	2005333		\$ 9,702.91	\$ 9,702.91	MPE System Design/Permitting	
2005	URS	2005333		\$ 302.82	\$ 302.82	Procurement	
2005	URS	2005333		\$ 1,103.74	\$ 1,103.74	MPE System Construction	
2005	URS	2005333		\$ 2,154.26	\$ 2,154.26	MPE Task Management	
2005	URS	2005333		\$ 2,060.00	\$ 2,060.00	Sewer-Design/Permitting	
2005	URS	2005333		\$ 16,085.11	\$ 16,085.11	Sewer-Constr. Oversight Service	
2005	URS	2058813	\$ 41,207.59			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	2058813		\$ 4,832.53	\$ 4,832.53	Routine O & M	
2005	URS	2058813		\$ (67.98)	\$ (67.98)	Routine Soil Vapor Well Monitoring/Report	
2005	URS	2058813		\$ 1,900.36	\$ 1,900.36	On-Call O & M	
2005	URS	2058813		\$ 242.05	\$ 242.05	SVE Task Management	
2005	URS	2058813		\$ 4,442.36	\$ 4,442.36	MPE System Construction	
2005	URS	2058813		\$ 8,073.40	\$ 2,532.06	MPE System Construction	\$5,000 freight charge for \$1,050 control panel - does not meet the requirements of A.R.S. 49-282.06(A)
2005	URS	2058813		\$ 1,883.36	\$ 1,883.36	MPE Task Management	
2005	URS	2058813		\$ 8,495.73	\$ 8,495.73	Sewer-Design/Permitting	
2005	URS	2058813		\$ 11,405.78	\$ 11,405.78	Sewer-Constr. Oversight Service	
2005	URS	2087384	\$ 40,292.36			Soil Vapor Extraction/Multi-Phase Extraction	
2005	URS	2087384		\$ 1,150.30	\$ 1,150.30	Routine O & M	
2005	URS	2087384		\$ 698.34	\$ 698.34	On-Call O & M	
2005	URS	2087384		\$ 154.50	\$ 154.50	SVE Task Management	
2005	URS	2087384		\$ 713.28	\$ 713.28	MPE System Design/Permitting	
2005	URS	2087384		\$ 133.90	\$ 133.90	MPE Well Installation	
2005	URS	2087384		\$ 24,134.97	\$ 24,134.97	MPE System Construction	
2005	URS	2087384		\$ 84.98	\$ 84.98	MPE IDW Management	
2005	URS	2087384		\$ 1,053.70	\$ 1,053.70	MPE Task Management	
2005	URS	2087384		\$ 9,425.32	\$ 9,425.32	Sewer-Design/Permitting	
2005	URS	2087384		\$ 2,743.07	\$ 2,743.07	Sewer-Constr. Oversight Service	
2006	URS	2144342	\$ 33,600.96			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2144342		\$ 20.09	\$ 20.09	Indoor Air Sampling	
2006	URS	2144342		\$ 849.75	\$ 849.75	Air Permit Compliance	
2006	URS	2144342		\$ 3,458.17	\$ 3,458.17	Routine O & M	
2006	URS	2144342		\$ 679.81	\$ 679.81	Monthly Operations Reports	
2006	URS	2144342		\$ 6,826.60	\$ 6,826.60	Routine Soil Vapor Well Monitoring/Report	
2006	URS	2144342		\$ 4,494.08	\$ 4,494.08	On-Call O & M	
2006	URS	2144342		\$ 454.23	\$ 454.23	CAB Meetings	
2006	URS	2144342		\$ 77.25	\$ 77.25	SVE Task Management	
2006	URS	2144342		\$ 3,427.33	\$ 3,427.33	MPE System Design/Permitting	
2006	URS	2144342		\$ 334.75	\$ 334.75	MPE Well Installation	
2006	URS	2144342		\$ 1,627.25	\$ 1,627.25	MPE Task Management	
2006	URS	2144342		\$ 10,855.95	\$ 10,855.95	Sewer-Design/Permitting	
2006	URS	2144342		\$ 495.70	\$ 495.70	Sewer-Constr. Oversight Service	
2006	URS	2199925	\$ 25,696.34			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2199925		\$ 20.09	\$ 20.09	Indoor Air Sampling	
2006	URS	2199925		\$ 509.86	\$ 509.86	Air Permit Compliance	
2006	URS	2199925		\$ 7.18	\$ 7.18	Install/ Addt'l SVE Well	
2006	URS	2199925		\$ 1,756.53	\$ 1,756.53	Routine O & M	
2006	URS	2199925		\$ 283.25	\$ 283.25	Monthly Operations Reports	
2006	URS	2199925		\$ 1,692.42	\$ 1,692.42	On-Call O & M	
2006	URS	2199925		\$ 5,737.39	\$ 5,737.39	SVE Carbon Change outs	
2006	URS	2199925		\$ 403.76	\$ 403.76	CAB Meetings	
2006	URS	2199925		\$ 286.34	\$ 286.34	Tag Meeting	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2006	URS	2199925		\$ 206.00	\$ 206.00	SVE Task Management	
2006	URS	2199925		\$ 10,031.19	\$ 10,031.19	MPE System Design/Permitting	
2006	URS	2199925		\$ 283.25	\$ 283.25	MPE System Construction	
2006	URS	2199925		\$ 987.26	\$ 987.26	MPE Task Management	
2006	URS	2199925		\$ 3,491.82	\$ 3,491.82	Sewer-Constr. Oversight Service	
2006	URS	2244614	\$ 28,082.64			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2244614		\$ 2,153.44	\$ 2,153.44	Routine O & M	
2006	URS	2244614		\$ 1,699.50	\$ 1,699.50	CAB Meetings	
2006	URS	2244614		\$ 761.30	\$ 761.30	Tag Meeting	
2006	URS	2244614		\$ 154.50	\$ 154.50	SVE Task Management	
2006	URS	2244614		\$ 17,537.62	\$ 17,537.62	MPE System Design/Permitting	
2006	URS	2244614		\$ 369.77	\$ 369.77	MPE Task Management	
2006	URS	2244614		\$ 2,290.72	\$ 2,290.72	Public Meeting	
2006	URS	2244614		\$ 2,986.01	\$ 2,986.01	Sewer-Design/Permitting	
2006	URS	2244614		\$ 129.78	\$ 129.78	Sewer-Constr. Oversight Service	
2006	URS	2275617	\$ 7,355.80			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2275617		\$ 25.88	\$ 25.88	On-Call O & M	
2006	URS	2275617		\$ 206.00	\$ 206.00	SVE Task Management	
2006	URS	2275617		\$ 1,787.24	\$ 1,787.24	MPE System Design/Permitting	
2006	URS	2275617		\$ 1,225.95	\$ 1,225.95	MPE System Construction	
2006	URS	2275617		\$ 1,431.70	\$ 1,431.70	MPE Task Management	
2006	URS	2275617		\$ 2,679.03	\$ 2,679.03	Sewer-Design/Permitting	
2006	URS	2339326	\$ 9,276.20			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2339326		\$ 2,052.49	\$ 2,052.49	Install/ Addt'l SVE Well	
2006	URS	2339326		\$ 103.00	\$ 103.00	SVE Task Management	
2006	URS	2339326		\$ 4,598.18	\$ 4,598.18	MPE System Design/Permitting	
2006	URS	2339326		\$ 1,037.73	\$ 1,037.73	MPE Task Management	
2006	URS	2339326		\$ 1,430.80	\$ 1,430.80	Sewer-Design/Permitting	
2006	URS	2339326		\$ 54.00	\$ 54.00	Sewer-Constr. Oversight Service	
2006	URS	2369409	\$ 3,318.66			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2369409		\$ 2,209.35	\$ 2,209.35	MPE System Design/Permitting	
2006	URS	2369409		\$ 679.80	\$ 679.80	MPE System Construction	
2006	URS	2369409		\$ 429.51	\$ 429.51	MPE Task Management	
2006	URS	2424025	\$ 3,321.47			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2424025		\$ 440.00	\$ 440.00	Routine O & M	
2006	URS	2424025		\$ 29.50	\$ 29.50	MPE System Design/Permitting	
2006	URS	2424025		\$ 414.26	\$ 414.26	MPE Well Installation	
2006	URS	2424025		\$ 272.64	\$ 272.64	MPE System Construction	
2006	URS	2424025		\$ 2,165.07	\$ 2,165.07	MPE Task Management	
2006	URS	2479909	\$ 7,294.72			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2479909		\$ 828.52	\$ 828.52	Routine O & M	
2006	URS	2479909		\$ 25.75	\$ 25.75	SVE Task Management	
2006	URS	2479909		\$ 399.99	\$ 399.99	MPE System Design/Permitting	
2006	URS	2479909		\$ 3,387.69	\$ 3,387.69	MPE Task Management	
2006	URS	2479909		\$ 2,652.77	\$ 2,652.77	Sewer-Design/Permitting	
2006	URS	2508541	\$ 2,655.34			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2508541		\$ 25.75	\$ 25.75	SVE Task Management	
2006	URS	2508541		\$ 108.91	\$ 108.91	MPE System Design/Permitting	
2006	URS	2508541		\$ 113.30	\$ 113.30	Procurement	
2006	URS	2508541		\$ 1,187.08	\$ 1,187.08	MPE Task Management	
2006	URS	2508541		\$ 1,220.30	\$ 1,220.30	Sewer-Design/Permitting	
2006	URS	2555572	\$ 3,572.82			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2555572		\$ 25.75	\$ 25.75	SVE Task Management	
2006	URS	2555572		\$ 1,975.60	\$ 1,975.60	MPE System Design/Permitting	
2006	URS	2555572		\$ 1,293.37	\$ 1,293.37	MPE Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2006	URS	2555572		\$ 278.10	\$ 278.10	Sewer-Design/Permitting	
2006	URS	2612295	\$ 2,543.45			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2612295		\$ 7.70	\$ 7.70	MPE System Design/Permitting	
2006	URS	2612295		\$ 715.85	\$ 715.85	MPE Task Management	
2006	URS	2612295		\$ 997.65	\$ 997.65	Sewer-Design/Permitting	
2006	URS	2612295		\$ 822.25	\$ 822.25	Sewer-Constr. Oversight Service	
2006	URS	2646967	\$ 7,933.03			Soil Vapor Extraction/Multi-Phase Extraction	
2006	URS	2646967		\$ 1,242.78	\$ 1,242.78	Routine MPE Operation	
2006	URS	2646967		\$ 445.22	\$ 445.22	MPE Task Management	
2006	URS	2646967		\$ 6,245.03	\$ -	Sewer-Design/Permitting	Building code review for occupancy and future count for restroom design - does not meet the requirements of A.R.S. 49-282.06(A)
2007	URS	2709123	\$ 7,309.59			Soil Vapor Extraction/Multi-Phase Extraction	
2007	URS	2709123		\$ 693.19	\$ 693.19	Air Permit Compliance	
2007	URS	2709123		\$ 70.04	\$ 70.04	SVE Investigative Derived Waste	
2007	URS	2709123		\$ 2,739.78	\$ 1,442.88	MPE System Design/Permitting	Building code review for occupancy and future count for restroom design - does not meet the requirements of A.R.S. 49-282.06(A)
2007	URS	2709123		\$ 414.26	\$ 414.26	Routine MPE Operation	
2007	URS	2709123		\$ 1,060.90	\$ 1,060.90	MPE Task Management	
2007	URS	2709123		\$ 1,287.00	\$ 1,287.00	Sewer-Design/Permitting	
2007	URS	2709123		\$ 1,044.42	\$ 1,044.42	Sewer-Constr. Oversight Service	
2007	URS	2753586	\$ 3,723.03			Soil Vapor Extraction/Multi-Phase Extraction	
2007	URS	2753586		\$ 70.04	\$ 70.04	Air Permit Compliance	
2007	URS	2753586		\$ 1,242.78	\$ 1,242.78	Routine MPE Operation	
2007	URS	2753586		\$ 71.59	\$ 71.59	MPE IDW Management	
2007	URS	2753586		\$ 710.70	\$ 710.70	MPE Task Management	
2007	URS	2753586		\$ 1,627.92	\$ 1,627.92	Sewer-Constr. Oversight Service	
2007	URS	2789925	\$ 3,471.52			Soil Vapor Extraction/Multi-Phase Extraction	
2007	URS	2789925		\$ 871.64	\$ 871.64	Air Permit Compliance	
2007	URS	2789925		\$ 608.47	\$ 608.47	On-Call O & M	
2007	URS	2789925		\$ 630.36	\$ 630.36	SVE Investigative Derived Waste	
2007	URS	2789925		\$ 579.06	\$ 579.06	Routine MPE Operation	
2007	URS	2789925		\$ 267.80	\$ 267.80	MPE Task Management	
2007	URS	2789925		\$ 514.19	\$ 514.19	Sewer-Constr. Oversight Service	
2007	URS	2826705	\$ 2,178.14			Soil Vapor Extraction/Multi-Phase Extraction	
2007	URS	2826705		\$ 70.04	\$ 70.04	MPE System Design/Permitting	
2007	URS	2826705		\$ 679.80	\$ 679.80	Procurement	
2007	URS	2826705		\$ 1,040.30	\$ 1,040.30	MPE Task Management	
2007	URS	2826705		\$ 23.38	\$ 23.38	Sewer-Constr. Oversight Service	
2007	URS	2826705		\$ 364.62	\$ 364.62	Sewer-Project Closeout/Cert.	
2007	URS	2882622	\$ 9,228.17			Soil Vapor Extraction/Multi-Phase Extraction	
2007	URS	2882622		\$ 3,908.22	\$ 3,908.22	SVE Investigative Derived Waste	
2007	URS	2882622		\$ 1,317.37	\$ 1,317.37	Procurement	
2007	URS	2882622		\$ 4,002.58	\$ 4,002.58	MPE Task Management	
2007	URS	2921143	\$ 1,369.90			Soil Vapor Extraction/Multi-Phase Extraction	
2007	URS	2921143		\$ 1,369.90	\$ 1,369.90	MPE Task Management	
2007	URS	2962807	\$ 793.10			Soil Vapor Extraction/Multi-Phase Extraction	
2007	URS	2962807		\$ 793.10	\$ 793.10	MPE Task Management	
2007	URS	3025362	\$ 2,193.90			Soil Vapor Extraction/Multi-Phase Extraction	
2007	URS	3025362		\$ 2,193.90	\$ 2,193.90	MPE Task Management	
2007	URS	3082549	\$ 1,534.70			Multi-Phase Extraction System Construction	
2007	URS	3082549		\$ 1,534.70	\$ 1,534.70	Task Management	
2007	URS	3125148	\$ 6,772.53			Multi-Phase Extraction System Construction	
2007	URS	3125148		\$ 659.20	\$ 659.20	MPE System Procurement	
2007	URS	3125148		\$ 4,171.78	\$ 4,171.78	MPE System Construction	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2007	URS	3125148		\$ 1,941.55	\$ 1,941.55	Task Management	
2007	URS	3161883	\$ 13,498.94			Multi-Phase Extraction System Construction	
2007	URS	3161883		\$ 1,071.20	\$ 1,071.20	MPE System Procurement	
2007	URS	3161883		\$ 9,209.25	\$ 9,209.25	MPE System Construction	
2007	URS	3161883		\$ 35.79	\$ 35.79	DW Management	
2007	URS	3161883		\$ 3,182.70	\$ 3,182.70	Task Management	
2007	URS	3196102	\$ 12,295.73			Multi-Phase Extraction System Construction	
2007	URS	3196102		\$ 10,959.82	\$ 10,959.82	MPE System Construction	
2007	URS	3196102		\$ 105.06	\$ 105.06	CAB Meetings	
2007	URS	3196102		\$ 1,230.85	\$ 1,230.85	Task Management	
2008	URS	3255896	\$ 23,782.55			Multi-Phase Extraction System Construction	
2008	URS	3255896		\$ 1,586.20	\$ 1,586.20	MPE System Procurement	
2008	URS	3255896		\$ 17,781.77	\$ 17,781.77	MPE System Construction	
2008	URS	3255896		\$ 140.08	\$ 140.08	MPE System Startup	
2008	URS	3255896		\$ 4,274.50	\$ 4,274.50	Task Management	
2008	URS	3301861	\$ 75,608.31			Multi-Phase Extraction System Construction	
2008	URS	3301861		\$ 362.80	\$ 362.80	MPE System Procurement	
2008	URS	3301861		\$ 69,798.87	\$ 69,798.87	MPE System Construction	
2008	URS	3301861		\$ 173.04	\$ 173.04	MPE System Startup	
2008	URS	3301861		\$ 994.98	\$ 994.98	As-Builts O & M	
2008	URS	3301861		\$ 164.80	\$ 164.80	IDW Management	
2008	URS	3301861		\$ 2,636.80	\$ 2,636.80	CAB Meetings	
2008	URS	3301861		\$ 1,477.02	\$ 1,477.02	Task Management	
2008	URS	3335094	\$ 100,077.03			Multi-Phase Extraction System Construction	
2008	URS	3335094		\$ 412.00	\$ 412.00	MPE System Procurement	
2008	URS	3335094		\$ 96,862.14	\$ 96,862.14	MPE System Construction	
2008	URS	3335094		\$ 418.44	\$ 418.44	Community Involvement	
2008	URS	3335094		\$ 164.80	\$ 164.80	CAB Meetings	
2008	URS	3335094		\$ 2,219.65	\$ 2,219.65	Task Management	
2008	URS	3409426	\$ 192,526.84			Multi-Phase Extraction System Construction	
2008	URS	3409426		\$ 267.80	\$ 267.80	MPE System Procurement	
2008	URS	3409426		\$ 167,516.89	\$ 167,516.89	MPE System Construction	
2008	URS	3409426		\$ 17,752.05	\$ 17,752.05	MPE System Startup	
2008	URS	3409426		\$ 66.95	\$ 66.95	As-Builts O & M	
2008	URS	3409426		\$ 3,112.15	\$ 3,112.15	Community Involvement	
2008	URS	3409426		\$ 3,811.00	\$ 3,811.00	Task Management	
2008	URS	3435188	\$ 161,087.19			Multi-Phase Extraction System Construction	
2008	URS	3435188		\$ 29,512.80	\$ 29,512.80	MPE System Procurement	
2008	URS	3435188		\$ 109,580.85	\$ 109,580.85	MPE System Construction	
2008	URS	3435188		\$ 14,879.33	\$ 14,879.33	MPE System Startup	
2008	URS	3435188		\$ 1,184.50	\$ 1,184.50	As-Builts O & M	
2008	URS	3435188		\$ 4,621.61	\$ 4,621.61	Community Involvement	
2008	URS	3435188		\$ 1,308.10	\$ 1,308.10	Task Management	
2008	URS	3469308	\$ 14,911.92			Multi-Phase Extraction System Construction	
2008	URS	3469308		\$ 164.80	\$ 164.80	MPE System Procurement	
2008	URS	3469308		\$ 1,808.00	\$ 1,808.00	MPE System Construction	
2008	URS	3469308		\$ 7,384.95	\$ 7,384.95	MPE System Startup	
2008	URS	3469308		\$ 2,115.11	\$ 2,115.11	As-Builts O & M	
2008	URS	3469308		\$ 920.71	\$ 920.71	Community Involvement	
2008	URS	3469308		\$ 659.20	\$ 659.20	CAB Meetings	
2008	URS	3469308		\$ 1,859.15	\$ 1,859.15	Task Management	
2008	URS	3556280	\$ 49,220.85			Multi-Phase Extraction System Construction	
2008	URS	3556280		\$ 1,882.49	\$ 1,882.49	MPE System Procurement	
2008	URS	3556280		\$ 17,588.50	\$ 17,588.50	MPE System Construction	
2008	URS	3556280		\$ 20,823.71	\$ 20,823.71	MPE System Startup	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2008	URS	3556280		\$ 1,173.17	\$ 1,173.17	As-Built's O & M	
2008	URS	3556280		\$ 3,624.85	\$ 3,624.85	IDW Management	
2008	URS	3556280		\$ 162.63	\$ 162.63	Community Involvement	
2008	URS	3556280		\$ 329.60	\$ 329.60	CAB Meetings	
2008	URS	3556280		\$ 3,635.90	\$ 3,635.90	Task Management	
2008	URS	3559988	\$ 11,378.82			Multi-Phase Extraction System Construction	
2008	URS	3559988		\$ 7,565.24	\$ 7,565.24	MPE System Startup	
2008	URS	3559988		\$ 780.23	\$ 780.23	As-Built's O & M	
2008	URS	3559988		\$ 628.30	\$ 628.30	IDW Management	
2008	URS	3559988		\$ 2,405.05	\$ 2,405.05	Task Management	
2008	URS	3590807	\$ 10,346.09			Multi-Phase Extraction System Construction	
2008	URS	3590807		\$ 33.99	\$ 33.99	MPE System Construction	
2008	URS	3590807		\$ 4,700.85	\$ 4,700.85	MPE System Startup	
2008	URS	3590807		\$ 715.08	\$ 715.08	As-Built's O & M	
2008	URS	3590807		\$ 2,568.37	\$ 2,568.37	O&M 5 months	
2008	URS	3590807		\$ 216.30	\$ 216.30	IDW Management	
2008	URS	3590807		\$ 2,111.50	\$ 2,111.50	Task Management	
2008	URS	3640888	\$ 19,474.32			Multi-Phase Extraction System Construction	
2008	URS	3640888		\$ 2,616.29	\$ 2,616.29	MPE System Construction	
2008	URS	3640888		\$ 3,082.39	\$ 3,082.39	MPE System Startup	
2008	URS	3640888		\$ 686.50	\$ 686.50	As-Built's O & M	
2008	URS	3640888		\$ 3,257.10	\$ 3,257.10	O&M 5 months	
2008	URS	3640888		\$ 7,725.69	\$ 7,725.69	IDW Management	
2008	URS	3640888		\$ 2,106.35	\$ 2,106.35	Task Management	
2008	URS	3672144	\$ 5,354.42			Multi-Phase Extraction System Construction	
2008	URS	3672144		\$ 4,453.17	\$ 4,453.17	O&M 5 months	
2008	URS	3672144		\$ 901.25	\$ 901.25	Task Management	
2008	URS	3713742	\$ 15,279.99			Multi-Phase Extraction System Construction	
2008	URS	3713742		\$ 9.31	\$ 9.31	MPE System Startup	
2008	URS	3713742		\$ 8.95	\$ 8.95	As-Built's O & M	
2008	URS	3713742		\$ 10,273.05	\$ 10,273.05	O&M 5 months	
2008	URS	3713742		\$ 2,439.43	\$ 2,439.43	IDW Management	
2008	URS	3713742		\$ 2,549.25	\$ 2,549.25	Task Management	
2009	URS	3754526	\$ 18,589.92			Multi-Phase Extraction System Construction	
2009	URS	3754526		\$ 16,554.12	\$ 16,554.12	O&M 5 months	
2009	URS	3754526		\$ 86.52	\$ 86.52	IDW Management	
2009	URS	3754526		\$ 1,949.28	\$ 1,949.28	Task Management	
2009	URS	3796161	\$ 21,060.47			Multi-Phase Extraction System Construction and Operation	
2009	URS	3796161		\$ 19,327.49	\$ 19,327.49	O&M 5 months	
2009	URS	3796161		\$ 1,732.98	\$ 1,732.98	Task Management	
2009	URS	3844022	\$ 12,226.09			Multi-Phase Extraction System Construction and Operation	
2009	URS	3844022		\$ 8,148.56	\$ 8,148.56	O&M 5 months	
2009	URS	3844022		\$ 2,817.25	\$ 2,817.25	IDW Management	
2009	URS	3844022		\$ 1,260.28	\$ 1,260.28	Task Management	
2009	URS	3884613	\$ 19,779.47			Multi-Phase Extraction System Construction and Operation	
2009	URS	3884613		\$ 1,979.40	\$ 1,979.40	As-Built's O & M	
2009	URS	3884613		\$ 7,827.08	\$ 7,827.08	O&M 5 months	
2009	URS	3884613		\$ 7,835.74	\$ 7,835.74	IDW Management	
2009	URS	3884613		\$ 2,137.25	\$ 2,137.25	Task Management	
2009	URS	3918614	\$ 14,062.66			Multi-Phase Extraction System Construction and Operation	
2009	URS	3918614		\$ 86.52	\$ 86.52	As-Built's O & M	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2009	URS	3918614		\$ 8,667.85	\$ 8,667.85	O&M 5 months	
2009	URS	3918614		\$ 3,760.71	\$ 3,760.71	IDW Management	
2009	URS	3918614		\$ 1,547.58	\$ 1,547.58	Task Management	
2009	URS	3961173	\$ 38,045.69			Multi-Phase Extraction System Construction and Operation	
2009	URS	3961173		\$ 7,975.31	\$ 7,975.31	As-Built's O & M	
2009	URS	3961173		\$ 2,451.82	\$ 2,451.82	O&M 5 months	
2009	URS	3961173		\$ 19,277.10	\$ 19,277.10	IDW Management	
2009	URS	3961173		\$ 5,297.81	\$ 5,297.81	CAB Meetings	
2009	URS	3961173		\$ 3,043.65	\$ 3,043.65	Task Management	
2009	URS	3998891	\$ 18,185.69			Multi-Phase Extraction System Construction and Operation	
2009	URS	3998891		\$ 10,503.95	\$ 10,503.95	As-Built's O & M	
2009	URS	3998891		\$ 2,565.42	\$ 2,565.42	O&M 5 months	
2009	URS	3998891		\$ 3,777.32	\$ 3,777.32	IDW Management	
2009	URS	3998891		\$ 1,339.00	\$ 1,339.00	Task Management	
2009	URS	4035475	\$ 9,297.42			Multi-Phase Extraction System Construction and Operation	
2009	URS	4035475		\$ 2,857.74	\$ 2,857.74	As-Built's O & M	
2009	URS	4035475		\$ 50.06	\$ 50.06	O&M 5 months	
2009	URS	4035475		\$ 4,283.57	\$ 4,283.57	IDW Management	
2009	URS	4035475		\$ 545.60	\$ 545.60	CAB Meetings	
2009	URS	4035475		\$ 1,560.45	\$ 1,560.45	Task Management	
2009	URS	4075500	\$ 3,919.08			Multi-Phase Extraction System Construction and Operation	
2009	URS	4075500		\$ 1,046.48	\$ 1,046.48	As-Built's O & M	
2009	URS	4075500		\$ 184.30	\$ 184.30	O&M 5 months	
2009	URS	4075500		\$ 2,688.30	\$ 2,688.30	Task Management	
2009	URS	4109716	\$ 12,323.35			Multi-Phase Extraction System Construction and Operation	
2009	URS	4109716		\$ 3,382.50	\$ 3,382.50	MPE System Construction	
2009	URS	4109716		\$ 2,416.90	\$ 2,416.90	As-Built's O & M	
2009	URS	4109716		\$ 117.35	\$ 117.35	O&M 5 months	
2009	URS	4109716		\$ 5,314.80	\$ 5,314.80	IDW Management	
2009	URS	4109716		\$ 1,091.80	\$ 1,091.80	Task Management	
2009	URS	4147607	\$ 8,823.95			Multi-Phase Extraction System Construction and Operation	
2009	URS	4147607		\$ 1,447.15	\$ 1,447.15	As-Built's O & M	
2009	URS	4147607		\$ 184.30	\$ 184.30	O&M 5 months	
2009	URS	4147607		\$ 6,456.05	\$ 6,456.05	IDW Management	
2009	URS	4147607		\$ 736.45	\$ 736.45	Task Management	
2009	URS	4180723	\$ 1,520.99			Multi-Phase Extraction System Construction and Operation	
2009	URS	4180723		\$ 315.89	\$ 315.89	O&M 5 months	
2009	URS	4180723		\$ 1,205.10	\$ 1,205.10	Task Management	
2010	URS	4210505	\$ 6,141.00			Multi-Phase Extraction System Construction and Operation	
2010	URS	4210505		\$ 4,982.51	\$ 4,982.51	O&M 5 months	
2010	URS	4210505		\$ 35.79	\$ 35.79	IDW Management	
2010	URS	4210505		\$ 1,122.70	\$ 1,122.70	Task Management	
2010	URS	4240878	\$ 1,729.74			Multi-Phase Extraction System Construction and Operation	
2010	URS	4240878		\$ 546.27	\$ 546.27	O&M 5 months	
2010	URS	4240878		\$ 86.52	\$ 86.52	IDW Management	
2010	URS	4240878		\$ 1,096.95	\$ 1,096.95	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2010	URS	4275333	\$ 3,766.79			Multi-Phase Extraction System Construction and Operation	
2010	URS	4275333		\$ 42.57	\$ 42.57	O&M 5 months	
2010	URS	4275333		\$ 2,436.72	\$ 2,436.72	IDW Management	
2010	URS	4275333		\$ 1,287.50	\$ 1,287.50	Task Management	
2010	URS	4303754	\$ 924.83			Multi-Phase Extraction System Construction and Operation	
2010	URS	4303754		\$ 46.92	\$ 46.92	O&M 5 months	
2010	URS	4303754		\$ 28.16	\$ 28.16	IDW Management	
2010	URS	4303754		\$ 849.75	\$ 849.75	Task Management	
2010	URS	4332456	\$ 961.56			Multi-Phase Extraction System Construction and Operation	
2010	URS	4332456		\$ 46.92	\$ 46.92	O&M 5 months	
2010	URS	4332456		\$ 502.64	\$ 502.64	IDW Management	
2010	URS	4332456		\$ 412.00	\$ 412.00	Task Management	
2010	URS	4366952	\$ 2,909.47			Multi-Phase Extraction System Construction and Operation	
2010	URS	4366952		\$ 49.58	\$ 49.58	O&M 5 months	
2010	URS	4366952		\$ 28.16	\$ 28.16	IDW Management	
2010	URS	4366952		\$ 2,831.73	\$ 2,831.73	Task Management	
2010	URS	4394868	\$ 1,767.19			Multi-Phase Extraction System Construction and Operation	
2010	URS	4394868		\$ 129.78	\$ 129.78	As-Built's O & M	
2010	URS	4394868		\$ 46.06	\$ 46.06	O&M 5 months	
2010	URS	4394868		\$ 1,591.35	\$ 1,591.35	Task Management	
2010	URS	4423405	\$ 8,562.93			Monthly Status Report	
2010	URS	4423405		\$ 3,625.61	\$ 3,625.61	Project Kickoff	
2010	URS	4423405		\$ 801.35	\$ 801.35	Task Management	
2010	URS	4423405		\$ 3,424.75	\$ 3,424.75	Eval of Current Monitoring NTW	
2010	URS	4423405		\$ 711.22	\$ 711.22	Task Management	
2010	URS	4456053	\$ 30,262.63			Monthly Status Report	
2010	URS	4456053		\$ 563.78	\$ 563.78	Project Kickoff	
2010	URS	4456053		\$ 1,990.18	\$ 1,990.18	MPE System Testing	
2010	URS	4456053		\$ 3,362.14	\$ 3,362.14	MPE System Noise Study	
2010	URS	4456053		\$ 2,098.63	\$ 2,098.63	Summary of Previous Activity	
2010	URS	4456053		\$ 8,844.11	\$ 8,844.11	Draft Work Plan	
2010	URS	4456053		\$ 1,522.35	\$ 1,522.35	Task Management	
2010	URS	4456053		\$ 2,006.30	\$ 2,006.30	Eval of Current Monitoring NTW	
2010	URS	4456053		\$ 7,522.09	\$ 7,522.09	Develop Recomm Monitoring Program	
2010	URS	4456053		\$ 1,171.63	\$ 1,171.63	QA Project Plan	
2010	URS	4456053		\$ 280.16	\$ 280.16	Health & Safety Plan	
2010	URS	4456053		\$ 901.26	\$ 901.26	Task Management	
2010	URS	4488708	\$ 16,176.29			Monthly Status Report	
2010	URS	4488708		\$ 331.37	\$ 331.37	MPE System Testing	
2010	URS	4488708		\$ 1,994.36	\$ 1,994.36	MPE System Noise Study	
2010	URS	4488708		\$ 1,989.96	\$ 1,989.96	Draft Work Plan	
2010	URS	4488708		\$ 417.15	\$ 417.15	Final Work Plan	
2010	URS	4488708		\$ 661.26	\$ 661.26	Task Management	
2010	URS	4488708		\$ 185.52	\$ 185.52	Eval of Current Monitoring NTW	
2010	URS	4488708		\$ 228.66	\$ 228.66	Develop Recomm Monitoring Program	
2010	URS	4488708		\$ 2,820.15	\$ 2,820.15	QA Project Plan	
2010	URS	4488708		\$ 270.38	\$ 270.38	Task Management	
2010	URS	4488708		\$ 450.63	\$ 450.63	Identify Data Sources/Collect	
2010	URS	4488708		\$ 3,680.71	\$ 3,680.71	Review Historical Doc.	
2010	URS	4488708		\$ 1,730.40	\$ 1,730.40	Customize DBMS & Load Data	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2010	URS	4488708		\$ 1,415.74	\$ 1,415.74	Task Management	
2010	URS	4518392	\$ 17,289.95			Monthly Status Report	
2010	URS	4518392		\$ 1,180.87	\$ 1,180.87	MPE System Testing	
2010	URS	4518392		\$ 154.50	\$ 154.50	Draft Work Plan	
2010	URS	4518392		\$ 1,040.31	\$ 1,040.31	Final Work Plan	
2010	URS	4518392		\$ 80.34	\$ 80.34	Task Management	
2010	URS	4518392		\$ 4.95	\$ 4.95	Eval of Current Monitoring NTW	
2010	URS	4518392		\$ 934.22	\$ 934.22	Task Management	
2010	URS	4518392		\$ 3,672.48	\$ 3,672.48	Final LTM Work Plan	
2010	URS	4518392		\$ 735.42	\$ 735.42	Access Agreement	
2010	URS	4518392		\$ 1,920.45	\$ 1,920.45	Identify Data Sources/Collect	
2010	URS	4518392		\$ 2,296.40	\$ 2,296.40	Review Historical Doc.	
2010	URS	4518392		\$ 4,647.89	\$ 4,647.89	Customize DBMS & Load Data	
2010	URS	4518392		\$ 180.25	\$ 180.25	Evaluate Cost Exist Data	
2010	URS	4518392		\$ 441.87	\$ 441.87	Task Management	
2010	URS	4550579	\$ 23,270.65			Monthly Status Report	
2010	URS	4550579		\$ 48.96	\$ 48.96	MPE System Testing	
2010	URS	4550579		\$ 2,173.30	\$ 2,173.30	Final Work Plan	
2010	URS	4550579		\$ 392.95	\$ 392.95	Task Management	
2010	URS	4550579		\$ 231.75	\$ 231.75	Final LTM Work Plan	
2010	URS	4550579		\$ 4,400.17	\$ 4,400.17	Access Agreement	
2010	URS	4550579		\$ 2,449.09	\$ 2,449.09	Identify Data Sources/Collect	
2010	URS	4550579		\$ 5,689.74	\$ 5,689.74	Review Historical Doc.	
2010	URS	4550579		\$ 4,159.16	\$ 4,159.16	Customize DBMS & Load Data	
2010	URS	4550579		\$ 2,793.88	\$ 2,793.88	Evaluate Cost Exist Data	
2010	URS	4550579		\$ 931.65	\$ 931.65	Task Management	
2011	URS	4578839	\$ 42,988.83			Monthly Status Report	
2011	URS	4578839		\$ 51.76	\$ 51.76	MPE System Testing	
2011	URS	4578839		\$ 250.29	\$ 250.29	Final Work Plan	
2011	URS	4578839		\$ 4,576.00	\$ 4,576.00	Permitting	
2011	URS	4578839		\$ 43.26	\$ 43.26	Task Management	
2011	URS	4578839		\$ 9.98	\$ 9.98	Final LTM Work Plan	
2011	URS	4578839		\$ 3,689.97	\$ 3,689.97	Access Agreement	
2011	URS	4578839		\$ 1,529.56	\$ 1,529.56	Identify Data Sources/Collect	
2011	URS	4578839		\$ 1,903.44	\$ 1,903.44	Review Historical Doc.	
2011	URS	4578839		\$ 6,254.69	\$ 6,254.69	Customize DBMS & Load Data	
2011	URS	4578839		\$ 12,639.68	\$ 12,639.68	Evaluate Cost Exist Data	
2011	URS	4578839		\$ 10,086.80	\$ 10,086.80	Prepare Summary Report	
2011	URS	4578839		\$ 1,953.40	\$ 1,953.40	Task Management	
2011	URS	4612401	\$ 6,995.57			Monthly Status Report	
2011	URS	4612401		\$ 46.57	\$ 46.57	MPE System Testing	
2011	URS	4612401		\$ 82.00	\$ 82.00	Task Management	
2011	URS	4612401		\$ 1,304.50	\$ 1,304.50	Task Management	
2011	URS	4612401		\$ 273.00	\$ 273.00	Task Management	
2011	URS	4612401		\$ 455.00	\$ 455.00	Access Agreement	
2011	URS	4612401		\$ 1,595.50	\$ 1,595.50	Customize DBMS & Load Data	
2011	URS	4612401		\$ 562.00	\$ 562.00	Evaluate Cost Exist Data	
2011	URS	4612401		\$ 68.00	\$ 68.00	Prepare Summary Report	
2011	URS	4612401		\$ 2,609.00	\$ 2,609.00	Task Management	
2011	URS	4643570	\$ 9,301.50			Monthly Status Report	
2011	URS	4643570		\$ 789.50	\$ 789.50	System Mechanical Upgrades	
2011	URS	4643570		\$ 27.50	\$ 27.50	Routine O & M	
2011	URS	4643570		\$ 45.00	\$ 45.00	Permit Reporting	
2011	URS	4643570		\$ 1,304.50	\$ 1,304.50	Task Management	
2011	URS	4643570		\$ 154.00	\$ 154.00	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2011	URS	4643570		\$ 409.50	\$ 409.50	Access Agreement	
2011	URS	4643570		\$ 981.00	\$ 981.00	Task Management	
2011	URS	4643570		\$ 781.50	\$ 781.50	Customize DBMS & Load Data	
2011	URS	4643570		\$ 4,455.00	\$ 4,455.00	Evaluate Cost Exist Data	
2011	URS	4643570		\$ 273.00	\$ 273.00	Prepare Summary Report	
2011	URS	4643570		\$ 81.00	\$ 81.00	Task Management	
2011	URS	4671951	\$ 14,055.69			Monthly Status Report	
2011	URS	4671951		\$ 4,510.50	\$ 4,510.50	System Mechanical Upgrades	
2011	URS	4671951		\$ 91.00	\$ 91.00	Electrical Sys Upgrades	
2011	URS	4671951		\$ 23.69	\$ 23.69	Routine O & M	
2011	URS	4671951		\$ 2,184.00	\$ 2,184.00	Task Management	
2011	URS	4671951		\$ 819.00	\$ 819.00	Access Agreement	
2011	URS	4671951		\$ 546.00	\$ 546.00	Initial Mobilization	
2011	URS	4671951		\$ 2,646.00	\$ 2,646.00	Semi-Annual Report/bslin+2 events	
2011	URS	4671951		\$ 1,547.00	\$ 1,547.00	Task Management	
2011	URS	4671951		\$ 504.00	\$ 504.00	Review Historical Doc.	
2011	URS	4671951		\$ 126.00	\$ 126.00	Customize DBMS & Load Data	
2011	URS	4671951		\$ 46.50	\$ 46.50	Evaluate Cost Exist Data	
2011	URS	4671951		\$ 688.00	\$ 688.00	Prepare Summary Report	
2011	URS	4671951		\$ 324.00	\$ 324.00	Task Management	
2011	URS	4708612	\$ 17,362.86			Monthly Status Report	
2011	URS	4708612		\$ 273.00	\$ 273.00	Task Management	
2011	URS	4708612		\$ 6,241.16	\$ 6,241.16	System Mechanical Upgrades	
2011	URS	4708612		\$ 1,125.00	\$ 1,125.00	Electrical Sys Upgrades	
2011	URS	4708612		\$ 4,900.26	\$ 4,900.26	Start-Up	
2011	URS	4708612		\$ 38.94	\$ 38.94	Routine O & M	
2011	URS	4708612		\$ 1,168.00	\$ 1,168.00	Task Management	
2011	URS	4708612		\$ 409.50	\$ 409.50	Task Management	
2011	URS	4708612		\$ 1,729.00	\$ 1,729.00	Initial Mobilization	
2011	URS	4708612		\$ 1,072.00	\$ 1,072.00	Task Management	
2011	URS	4708612		\$ (336.00)	\$ (336.00)	Review Historical Doc.	
2011	URS	4708612		\$ 378.00	\$ 378.00	Customize DBMS & Load Data	
2011	URS	4708612		\$ 364.00	\$ 364.00	Prepare Summary Report	
2011	URS	4743027	\$ 34,580.18			Monthly Status Report	
2011	URS	4743027		\$ 532.50	\$ 532.50	System Mechanical Upgrades	
2011	URS	4743027		\$ 4,172.50	\$ 4,172.50	Electrical Sys Upgrades	
2011	URS	4743027		\$ 3,197.75	\$ 3,197.75	Start-Up	
2011	URS	4743027		\$ 24.07	\$ 24.07	Routine O & M	
2011	URS	4743027		\$ 825.00	\$ 825.00	Permit Reporting	
2011	URS	4743027		\$ 1,207.00	\$ 1,207.00	Noise Mitigation Upgrade	
2011	URS	4743027		\$ 1,369.67	\$ 1,369.67	Task Management	
2011	URS	4743027		\$ 148.50	\$ 148.50	Eval of Current Monitoring NTW	
2011	URS	4743027		\$ 45.50	\$ 45.50	Task Management	
2011	URS	4743027		\$ 2,256.00	\$ 2,256.00	Access Agreement	
2011	URS	4743027		\$ 11,970.41	\$ 10,432.91	Initial Mobilization	Appropriate documentation/Invoice backup missing
2011	URS	4743027		\$ 6,589.78	\$ 6,589.78	Well Inspection/Water Levels	
2011	URS	4743027		\$ 2,241.50	\$ 2,241.50	Task Management	
2011	URS	4775974	\$ 44,510.23			Monthly Status Report	
2011	URS	4775974		\$ 1,491.00	\$ 1,491.00	System Mechanical Upgrades	
2011	URS	4775974		\$ 941.25	\$ 941.25	Electrical Sys Upgrades	
2011	URS	4775974		\$ 767.00	\$ 767.00	Start-Up	
2011	URS	4775974		\$ 33.00	\$ 33.00	Routine O & M	
2011	URS	4775974		\$ 1,453.00	\$ 1,453.00	Permit Reporting	
2011	URS	4775974		\$ 490.50	\$ 490.50	Noise Mitigation Upgrade	
2011	URS	4775974		\$ 1,982.00	\$ 1,982.00	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2011	URS	4775974		\$ 273.00	\$ 273.00	Access Agreement	
2011	URS	4775974		\$ 13,374.50	\$ 13,374.50	Initial Mobilization	
2011	URS	4775974		\$ 184.98	\$ 184.98	Well Inspection/Water Levels	
2011	URS	4775974		\$ 21,987.00	\$ 21,987.00	Baseline Monitoring	
2011	URS	4775974		\$ 1,533.00	\$ 1,533.00	Task Management	
2011	URS	4806346	\$ 38,302.86			Monthly Status Report	
2011	URS	4806346		\$ 303.00	\$ 303.00	Electrical Sys Upgrades	
2011	URS	4806346		\$ 6,614.75	\$ 6,614.75	Start-Up	
2011	URS	4806346		\$ 316.12	\$ 316.12	Routine O & M	
2011	URS	4806346		\$ 273.00	\$ 273.00	Noise Mitigation Upgrade	
2011	URS	4806346		\$ 3,248.50	\$ 3,248.50	Task Management	
2011	URS	4806346		\$ (455.00)	\$ (455.00)	Task Management	
2011	URS	4806346		\$ 2,925.50	\$ 2,925.50	Initial Mobilization	
2011	URS	4806346		\$ 16,826.74	\$ 16,826.74	Baseline Monitoring	
2011	URS	4806346		\$ 1,669.75	\$ 1,669.75	Monthly Monitoring /12 events	
2011	URS	4806346		\$ 3,322.00	\$ 3,322.00	Semi-Annual Report/bslin+2 events	
2011	URS	4806346		\$ 3,258.50	\$ 3,258.50	Task Management	
2011	URS	4840216	\$ 43,956.72			Monthly Status Report	
2011	URS	4840216		\$ 458.01	\$ 458.01	System Mechanical Upgrades	
2011	URS	4840216		\$ 11,929.63	\$ 11,929.63	Start-Up	
2011	URS	4840216		\$ 5,129.93	\$ 5,129.93	Routine O & M	
2011	URS	4840216		\$ 2,963.25	\$ 2,963.25	Noise Mitigation Upgrade	
2011	URS	4840216		\$ 182.00	\$ 182.00	On-Call O & M	
2011	URS	4840216		\$ 3,064.50	\$ 3,064.50	Task Management	
2011	URS	4840216		\$ 455.00	\$ 455.00	Access Agreement	
2011	URS	4840216		\$ (2,890.00)	\$ (2,890.00)	Initial Mobilization	
2011	URS	4840216		\$ 13,563.96	\$ 13,563.96	Baseline Monitoring	
2011	URS	4840216		\$ 3,433.19	\$ 3,433.19	Monthly Monitoring /12 events	
2011	URS	4840216		\$ 2,248.25	\$ 2,248.25	Semi-Annual Report/bslin+2 events	
2011	URS	4840216		\$ 3,419.00	\$ 3,419.00	Task Management	
2011	URS	4874532	\$ 35,515.45			Monthly Status Report	
2011	URS	4874532		\$ 355.00	\$ 355.00	Electrical Sys Upgrades	
2011	URS	4874532		\$ 7,549.40	\$ 7,549.40	Start-Up	
2011	URS	4874532		\$ 784.79	\$ 784.79	Routine O & M	
2011	URS	4874532		\$ 3,145.25	\$ 3,145.25	Task Management	
2011	URS	4874532		\$ 177.50	\$ 177.50	PDS Design, Procur & Deploy	
2011	URS	4874532		\$ 11,648.00	\$ 11,648.00	Baseline Monitoring	
2011	URS	4874532		\$ 2,284.51	\$ 2,284.51	Monthly Monitoring /12 events	
2011	URS	4874532		\$ 499.00	\$ 499.00	Quarterly Monitor/4 events	
2011	URS	4874532		\$ 7,050.50	\$ 7,050.50	Semi-Annual Report/bslin+2 events	
2011	URS	4874532		\$ 2,021.50	\$ 2,021.50	Task Management	
2011	URS	4914520	\$ 35,275.90			Monthly Status Report	
2011	URS	4914520		\$ 2,022.44	\$ 2,022.44	Start-Up	
2011	URS	4914520		\$ 10,059.62	\$ 10,059.62	Routine O & M	
2011	URS	4914520		\$ 1,699.50	\$ 1,699.50	Task Management	
2011	URS	4914520		\$ 3,276.00	\$ 3,276.00	Access Agreement	
2011	URS	4914520		\$ 4,602.25	\$ 4,602.25	PDS Design, Procur & Deploy	
2011	URS	4914520		\$ 1,798.32	\$ 1,798.32	Baseline Monitoring	
2011	URS	4914520		\$ 1,251.52	\$ 1,251.52	Monthly Monitoring /12 events	
2011	URS	4914520		\$ 5,759.00	\$ 5,759.00	Quarterly Monitor/4 events	
2011	URS	4914520		\$ 3,967.75	\$ 3,967.75	Semi-Annual Report/bslin+2 events	
2011	URS	4914520		\$ 839.50	\$ 839.50	Task Management	
2011	URS	4938708	\$ 39,366.11			Monthly Status Report	
2011	URS	4938708		\$ 1,371.81	\$ 1,371.81	Start-Up	
2011	URS	4938708		\$ 19,095.33	\$ 19,095.33	Routine O & M	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2011	URS	4938708		\$ 742.25	\$ 742.25	Task Management	
2011	URS	4938708		\$ 84.00	\$ 84.00	Eval of Current Monitoring NTW	
2011	URS	4938708		\$ 861.67	\$ 861.67	Access Agreement	
2011	URS	4938708		\$ 5,512.79	\$ 5,512.79	PDS Design, Procur & Deploy	
2011	URS	4938708		\$ 2,320.75	\$ 2,320.75	Monthly Monitoring /12 events	
2011	URS	4938708		\$ 4,044.76	\$ 4,044.76	Quarterly Monitor/4 events	
2011	URS	4938708		\$ 4,250.75	\$ 4,250.75	Semi-Annual Report/bslin+2 events	
2011	URS	4938708		\$ 1,082.00	\$ 1,082.00	Task Management	
2012	URS	4985968	\$ 40,427.26			Monthly Status Report	
2012	URS	4985968		\$ 16,184.36	\$ 16,184.36	Routine O & M	
2012	URS	4985968		\$ 2,192.25	\$ 2,192.25	Permit Reporting	
2012	URS	4985968		\$ 2,550.50	\$ 2,550.50	Task Management	
2012	URS	4985968		\$ 182.00	\$ 182.00	Access Agreement	
2012	URS	4985968		\$ 1,671.06	\$ 1,671.06	PDS Design, Procur & Deploy	
2012	URS	4985968		\$ 5,028.44	\$ 5,028.44	Monthly Monitoring /12 events	
2012	URS	4985968		\$ 7,257.90	\$ 7,257.90	Quarterly Monitor/4 events	
2012	URS	4985968		\$ 527.00	\$ 527.00	Semi-Annual Monitor/2 events	
2012	URS	4985968		\$ 3,468.75	\$ 3,468.75	Semi-Annual Report/bslin+2 events	
2012	URS	4985968		\$ 1,365.00	\$ 1,365.00	Task Management	
2012	URS	5031949	\$ 54,436.57			Monthly Status Report	
2012	URS	5031949		\$ 63.41	\$ 63.41	MPE System Testing	
2012	URS	5031949		\$ 1,022.40	\$ 1,022.40	Start-Up	
2012	URS	5031949		\$ 19,520.00	\$ 19,520.00	Routine O & M	
2012	URS	5031949		\$ 6,930.00	\$ 6,930.00	Permit Reporting	
2012	URS	5031949		\$ 54.25	\$ 54.25	Noise Mitigation Upgrade	
2012	URS	5031949		\$ 2,982.50	\$ 2,982.50	Task Management	
2012	URS	5031949		\$ 4,210.00	\$ 4,210.00	Monthly Monitoring /12 events	
2012	URS	5031949		\$ 6,265.00	\$ 6,265.00	Quarterly Monitor/4 events	
2012	URS	5031949		\$ 8,077.01	\$ 8,077.01	Semi-Annual Monitor/2 events	
2012	URS	5031949		\$ 230.00	\$ 230.00	Semi-Annual Report/bslin+2 events	
2012	URS	5031949		\$ 864.50	\$ 864.50	Task Management	
2012	URS	5031949		\$ 83.00	\$ 83.00	Task Management	
2012	URS	5031949		\$ 3,770.50	\$ 3,770.50	Prepare Work Plan	
2012	URS	5031949		\$ 364.00	\$ 364.00	Task Management	
2012	URS	5054840	\$ 57,308.64			Monthly Status Report	
2012	URS	5054840		\$ 7,720.25	\$ 7,720.25	Electrical Sys Upgrades	
2012	URS	5054840		\$ 15,716.63	\$ 15,716.63	Routine O & M	
2012	URS	5054840		\$ 1,359.00	\$ 1,359.00	Permit Reporting	
2012	URS	5054840		\$ 40.50	\$ 40.50	Noise Mitigation Upgrade	
2012	URS	5054840		\$ 182.00	\$ 182.00	On-Call O & M	
2012	URS	5054840		\$ 845.00	\$ 845.00	Task Management	
2012	URS	5054840		\$ 3,637.75	\$ 3,637.75	Monthly Monitoring /12 events	
2012	URS	5054840		\$ 7,429.85	\$ 7,429.85	Quarterly Monitor/4 events	
2012	URS	5054840		\$ 4,959.05	\$ 4,959.05	Semi-Annual Monitor/2 events	
2012	URS	5054840		\$ 1,131.00	\$ 1,131.00	Semi-Annual Report/bslin+2 events	
2012	URS	5054840		\$ 318.50	\$ 318.50	Task Management	
2012	URS	5054840		\$ 13,605.11	\$ 13,605.11	Prepare Work Plan	
2012	URS	5054840		\$ 364.00	\$ 364.00	Task Management	
2012	URS	5093616	\$ 44,296.09			Monthly Status Report	
2012	URS	5093616		\$ 9,535.28	\$ 9,535.28	Routine O & M	
2012	URS	5093616		\$ 4,215.50	\$ 4,215.50	Permit Reporting	
2012	URS	5093616		\$ 8,162.00	\$ 8,162.00	Noise Mitigation Upgrade	
2012	URS	5093616		\$ 332.00	\$ 332.00	On-Call O & M	
2012	URS	5093616		\$ 3,245.25	\$ 3,245.25	Task Management	
2012	URS	5093616		\$ 5,972.08	\$ 5,972.08	Monthly Monitoring /12 events	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2012	URS	5093616		\$ 1,948.73	\$ 1,948.73	Quarterly Monitor/4 events	
2012	URS	5093616		\$ 2,554.00	\$ 2,554.00	Semi-Annual Monitor/2 events	
2012	URS	5093616		\$ 3,228.75	\$ 3,228.75	Semi-Annual Report/bslin+2 events	
2012	URS	5093616		\$ 1,046.50	\$ 1,046.50	Task Management	
2012	URS	5093616		\$ 3,692.00	\$ 3,692.00	Prepare Work Plan	
2012	URS	5093616		\$ 364.00	\$ 364.00	Task Management	
2012	URS	5140494	\$ 32,127.94			Monthly Status Report	
2012	URS	5140494		\$ 4,546.99	\$ 4,546.99	Routine O & M	
2012	URS	5140494		\$ 3,502.00	\$ 3,502.00	Permit Reporting	
2012	URS	5140494		\$ 4,641.27	\$ 4,641.27	On-Call O & M	
2012	URS	5140494		\$ 5,491.25	\$ 5,491.25	Task Management	
2012	URS	5140494		\$ 2,283.43	\$ 2,283.43	Monthly Monitoring /12 events	
2012	URS	5140494		\$ 3,783.00	\$ 3,783.00	Quarterly Monitor/4 events	
2012	URS	5140494		\$ 3,735.25	\$ 3,735.25	Semi-Annual Report/bslin+2 events	
2012	URS	5140494		\$ 1,729.00	\$ 1,729.00	Task Management	
2012	URS	5140494		\$ 1,505.75	\$ 1,505.75	Prepare Work Plan	
2012	URS	5140494		\$ 910.00	\$ 910.00	Task Management	
2012	URS	5167347	\$ 25,337.45			Monthly Status Report	
2012	URS	5167347		\$ 2,579.90	\$ 2,579.90	Routine O & M	
2012	URS	5167347		\$ 106.50	\$ 106.50	Permit Reporting	
2012	URS	5167347		\$ 3,178.00	\$ 3,178.00	On-Call O & M	
2012	URS	5167347		\$ 1,974.95	\$ 1,974.95	Task Management	
2012	URS	5167347		\$ 4,305.00	\$ 4,305.00	Monthly Monitoring /12 events	
2012	URS	5167347		\$ 4,256.85	\$ 4,256.85	Quarterly Monitor/4 events	
2012	URS	5167347		\$ 1,235.50	\$ 1,235.50	Semi-Annual Monitor/2 events	
2012	URS	5167347		\$ 4,185.00	\$ 4,185.00	Semi-Annual Report/bslin+2 events	
2012	URS	5167347		\$ 1,698.75	\$ 1,698.75	Task Management	
2012	URS	5167347		\$ 907.00	\$ 907.00	Prepare Work Plan	
2012	URS	5167347		\$ 910.00	\$ 910.00	Task Management	
2012	URS	5197256	\$ 37,831.42			Monthly Status Report	
2012	URS	5197256		\$ 3,317.00	\$ 3,317.00	Routine O & M	
2012	URS	5197256		\$ 2,137.50	\$ 2,137.50	Permit Reporting	
2012	URS	5197256		\$ 1,506.00	\$ 1,506.00	On-Call O & M	
2012	URS	5197256		\$ 827.05	\$ 827.05	Task Management	
2012	URS	5197256		\$ 546.00	\$ 546.00	Access Agreement	
2012	URS	5197256		\$ 1,892.50	\$ 1,892.50	Monthly Monitoring /12 events	
2012	URS	5197256		\$ 21,588.12	\$ 21,588.12	Quarterly Monitor/4 events	
2012	URS	5197256		\$ (191.75)	\$ (191.75)	Semi-Annual Monitor/2 events	
2012	URS	5197256		\$ 2,028.00	\$ 2,028.00	Semi-Annual Report/bslin+2 events	
2012	URS	5197256		\$ 2,639.00	\$ 2,639.00	Task Management	
2012	URS	5197256		\$ 1,542.00	\$ 1,542.00	Prepare Work Plan	
2012	URS	5262287	\$ 42,427.28			Monthly Status Report	
2012	URS	5262287		\$ 99.70	\$ 99.70	Routine O & M	
2012	URS	5262287		\$ 6,100.50	\$ 6,100.50	Permit Reporting	
2012	URS	5262287		\$ 12,291.70	\$ 12,291.70	On-Call O & M	
2012	URS	5262287		\$ 748.75	\$ 748.75	Task Management	
2012	URS	5262287		\$ 455.00	\$ 455.00	Access Agreement	
2012	URS	5262287		\$ 203.60	\$ 203.60	PDS Design, Procur & Deploy	
2012	URS	5262287		\$ 4,618.25	\$ 4,618.25	Monthly Monitoring /12 events	
2012	URS	5262287		\$ 10,234.78	\$ 10,234.78	Quarterly Monitor/4 events	
2012	URS	5262287		\$ 762.00	\$ 762.00	Semi-Annual Monitor/2 events	
2012	URS	5262287		\$ 2,986.50	\$ 2,986.50	Semi-Annual Report/bslin+2 events	
2012	URS	5262287		\$ 819.00	\$ 819.00	Task Management	
2012	URS	5262287		\$ 2,652.50	\$ 2,652.50	Prepare Work Plan	
2012	URS	5262287		\$ 455.00	\$ 455.00	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2012	URS	5269884	\$ 31,351.39			Monthly Status Report	
2012	URS	5269884		\$ 8,702.40	\$ 8,702.40	Routine O & M	
2012	URS	5269884		\$ 824.50	\$ 824.50	Permit Reporting	
2012	URS	5269884		\$ 150.00	\$ 150.00	Noise Mitigation Upgrade	
2012	URS	5269884		\$ 10,879.88	\$ 10,879.88	On-Call O & M	
2012	URS	5269884		\$ 894.25	\$ 894.25	Task Management	
2012	URS	5269884		\$ 163.11	\$ 163.11	PDS Design, Procur & Deploy	
2012	URS	5269884		\$ 4,070.50	\$ 4,070.50	Monthly Monitoring /12 events	
2012	URS	5269884		\$ 2,303.50	\$ 2,303.50	Quarterly Monitor/4 events	
2012	URS	5269884		\$ 2,766.25	\$ 2,766.25	Semi-Annual Report/bslin+2 events	
2012	URS	5269884		\$ 182.00	\$ 182.00	Task Management	
2012	URS	5269884		\$ 332.00	\$ 332.00	Prepare Work Plan	
2012	URS	5269884		\$ 83.00	\$ 83.00	Task Management	
2012	URS	5328213	\$ 38,129.08			Monthly Status Report	
2012	URS	5328213		\$ 2,028.43	\$ 2,028.43	Routine O & M	
2012	URS	5328213		\$ 1,962.00	\$ 1,962.00	Permit Reporting	
2012	URS	5328213		\$ 14,560.24	\$ 14,560.24	On-Call O & M	
2012	URS	5328213		\$ 579.50	\$ 579.50	Task Management	
2012	URS	5328213		\$ 427.58	\$ 427.58	Access Agreement	
2012	URS	5328213		\$ 4,465.33	\$ 4,465.33	Monthly Monitoring /12 events	
2012	URS	5328213		\$ 1,795.50	\$ 1,795.50	Quarterly Monitor/4 events	
2012	URS	5328213		\$ 2,523.50	\$ 2,523.50	Semi-Annual Monitor/2 events	
2012	URS	5328213		\$ 5,526.00	\$ 5,526.00	Semi-Annual Report/bslin+2 events	
2012	URS	5328213		\$ 1,323.00	\$ 1,323.00	Task Management	
2012	URS	5328213		\$ 1,458.00	\$ 1,458.00	Prepare Work Plan	
2012	URS	5328213		\$ 1,480.00	\$ 1,480.00	Monthly Monitoring /12 events	
2012	URS	5337991	\$ 10,743.36			Monthly Status Report	
2012	URS	5337991		\$ 1,620.71	\$ 1,620.71	Routine O & M	
2012	URS	5337991		\$ 1,707.50	\$ 1,707.50	Permit Reporting	
2012	URS	5337991		\$ 301.55	\$ 301.55	On-Call O & M	
2012	URS	5337991		\$ 470.00	\$ 470.00	Task Management	
2012	URS	5337991		\$ 267.00	\$ 267.00	Monthly Monitoring /12 events	
2012	URS	5337991		\$ 1,149.50	\$ 1,149.50	Semi-Annual Monitor/2 events	
2012	URS	5337991		\$ 1,134.00	\$ 1,134.00	Semi-Annual Report/bslin+2 events	
2012	URS	5337991		\$ 472.50	\$ 472.50	Task Management	
2012	URS	5337991		\$ 808.10	\$ 808.10	Monthly Monitoring	
2012	URS	5337991		\$ 544.50	\$ 544.50	Quarterly Monitor/4 events	
2012	URS	5337991		\$ 2,268.00	\$ 2,268.00	Project Management	
2012	URS	5371225	\$ 20,833.45			Monthly Status Report	
2012	URS	5371225		\$ 189.00	\$ 189.00	Startup Activities	
2012	URS	5371225		\$ 94.50	\$ 94.50	Permit Reporting	
2012	URS	5371225		\$ 877.50	\$ 877.50	Noise Mitigation Upgrade	
2012	URS	5371225		\$ 242.45	\$ 242.45	Regular O&M	
2012	URS	5371225		\$ 528.00	\$ 528.00	On-Call O & M	
2012	URS	5371225		\$ 4,559.00	\$ 4,559.00	Reporting	
2012	URS	5371225		\$ 2,368.50	\$ 2,368.50	Implementation Task Mgmt	
2012	URS	5371225		\$ 324.56	\$ 324.56	Prepare Work Plan	
2012	URS	5371225		\$ 842.00	\$ 842.00	Task Management	
2012	URS	5371225		\$ 1,650.94	\$ 1,650.94	Monthly Monitoring	
2012	URS	5371225		\$ 8,183.50	\$ 8,183.50	Quarterly Monitor/4 events	
2012	URS	5371225		\$ 973.50	\$ 973.50	Project Management	
2013	URS	5445050	\$ 20,560.18			Monthly Status Report	
2013	URS	5445050		\$ 246.00	\$ 246.00	Noise Mitigation Upgrade	
2013	URS	5445050		\$ 2,166.98	\$ 2,166.98	Regular O&M	
2013	URS	5445050		\$ 324.00	\$ 324.00	On-Call O & M	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2013	URS	5445050		\$ 5,889.00	\$ 5,889.00	Implementation Task Mgmt	
2013	URS	5445050		\$ 3,004.40	\$ 3,004.40	Final Work Plan	
2013	URS	5445050		\$ 1,012.50	\$ 1,012.50	Monthly Monitoring	
2013	URS	5445050		\$ 6,558.30	\$ 6,558.30	Quarterly Monitor/4 events	
2013	URS	5445050		\$ 179.00	\$ 179.00	Semi-Annual Monitor/2 events	
2013	URS	5445050		\$ 1,180.00	\$ 1,180.00	Project Management	
2013	URS	5453689	\$ 50,224.06			Monthly Status Report	
2013	URS	5453689		\$ 25,877.78	\$ 25,877.78	Regular O&M	
2013	URS	5453689		\$ 1,242.50	\$ 1,242.50	On-Call O & M	
2013	URS	5453689		\$ 324.00	\$ 324.00	Reporting	
2013	URS	5453689		\$ 1,406.65	\$ 1,406.65	Implementation Task Mgmt	
2013	URS	5453689		\$ 495.00	\$ 495.00	Monthly Monitoring	
2013	URS	5453689		\$ 6,906.88	\$ 6,906.88	Quarterly Monitor/4 events	
2013	URS	5453689		\$ 12,418.50	\$ 12,418.50	Semi-Annual Monitor/2 events	
2013	URS	5453689		\$ 301.50	\$ 301.50	Semi-Annual Report/bslin+2 events	
2013	URS	5453689		\$ 1,251.25	\$ 1,251.25	Project Management	
2013	URS	5475834	\$ 56,980.96			Monthly Status Report	
2013	URS	5475834		\$ 32,207.53	\$ 32,207.53	Regular O&M	
2013	URS	5475834		\$ 9,970.40	\$ 9,970.40	On-Call O & M	
2013	URS	5475834		\$ 837.00	\$ 837.00	Reporting	
2013	URS	5475834		\$ 2,832.25	\$ 2,832.25	Implementation Task Mgmt	
2013	URS	5475834		\$ 283.50	\$ 283.50	Task Management	
2013	URS	5475834		\$ 15.96	\$ 15.96	Quarterly Monitor/4 events	
2013	URS	5475834		\$ 6,958.32	\$ 6,958.32	Semi-Annual Monitor/2 events	
2013	URS	5475834		\$ 1,395.50	\$ 1,395.50	Semi-Annual Report/bslin+2 events	
2013	URS	5475834		\$ 2,480.50	\$ 2,480.50	Project Management	
2013	URS	5503950	\$ 41,220.49			Monthly Status Report	
2013	URS	5503950		\$ 21,161.37	\$ 21,161.37	Regular O&M	
2013	URS	5503950		\$ 8,918.18	\$ 8,918.18	On-Call O & M	
2013	URS	5503950		\$ 2,596.00	\$ 2,596.00	Implementation Task Mgmt	
2013	URS	5503950		\$ 378.00	\$ 378.00	Task Management	
2013	URS	5503950		\$ 4,841.69	\$ 4,841.69	Semi-Annual Monitor/2 events	
2013	URS	5503950		\$ 2,283.00	\$ 2,283.00	Semi-Annual Report/bslin+2 events	
2013	URS	5503950		\$ 1,042.25	\$ 1,042.25	Project Management	
2013	URS	5533758	\$ 28,151.12			Monthly Status Report	
2013	URS	5533758		\$ 10,054.62	\$ 10,054.62	Regular O&M	
2013	URS	5533758		\$ 5,480.50	\$ 5,480.50	On-Call O & M	
2013	URS	5533758		\$ 1,458.00	\$ 1,458.00	Reporting	
2013	URS	5533758		\$ 2,808.50	\$ 2,808.50	Implementation Task Mgmt	
2013	URS	5533758		\$ 1,819.00	\$ 1,819.00	Quarterly Monitor/4 events	
2013	URS	5533758		\$ 495.00	\$ 495.00	Semi-Annual Monitor/2 events	
2013	URS	5533758		\$ 3,295.00	\$ 3,295.00	Semi-Annual Report/bslin+2 events	
2013	URS	5533758		\$ 2,740.50	\$ 2,740.50	Project Management	
2013	URS	5572203	\$ 46,545.40			Monthly Status Report	
2013	URS	5572203		\$ 25,469.52	\$ 25,469.52	Regular O&M	
2013	URS	5572203		\$ 648.00	\$ 648.00	On-Call O & M	
2013	URS	5572203		\$ 1,273.00	\$ 1,273.00	Reporting	
2013	URS	5572203		\$ 1,906.50	\$ 1,906.50	Implementation Task Mgmt	
2013	URS	5572203		\$ 1,156.75	\$ 1,156.75	Final Work Plan	
2013	URS	5572203		\$ 189.00	\$ 189.00	Task Management	
2013	URS	5572203		\$ 9,524.13	\$ 9,524.13	Quarterly Monitor/4 events	
2013	URS	5572203		\$ 106.50	\$ 106.50	Semi-Annual Monitor/2 events	
2013	URS	5572203		\$ 3,858.50	\$ 3,858.50	Semi-Annual Report/bslin+2 events	
2013	URS	5572203		\$ 2,413.50	\$ 2,413.50	Project Management	
2013	URS	5602038	\$ 13,446.62			Monthly Status Report	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2013	URS	5602038		\$ 5,284.53	\$ 5,284.53	Regular O&M	
2013	URS	5602038		\$ 285.31	\$ 285.31	On-Call O & M	
2013	URS	5602038		\$ 2,191.50	\$ 2,191.50	Implementation Task Mgmt	
2013	URS	5602038		\$ 3.36	\$ 3.36	Final Work Plan	
2013	URS	5602038		\$ 2,350.42	\$ 2,350.42	Quarterly Monitor/4 events	
2013	URS	5602038		\$ 390.00	\$ 390.00	Semi-Annual Monitor/2 events	
2013	URS	5602038		\$ 1,807.50	\$ 1,807.50	Semi-Annual Report/bslin+2 events	
2013	URS	5602038		\$ 1,134.00	\$ 1,134.00	Project Management	
2013	URS	5631460	\$ 34,513.56			Monthly Status Report	
2013	URS	5631460		\$ 5,531.38	\$ 5,531.38	Regular O&M	
2013	URS	5631460		\$ 1,069.75	\$ 1,069.75	On-Call O & M	
2013	URS	5631460		\$ 1,573.00	\$ 1,573.00	Reporting	
2013	URS	5631460		\$ 3,059.25	\$ 3,059.25	Implementation Task Mgmt	
2013	URS	5631460		\$ 19.50	\$ 19.50	Final Work Plan	
2013	URS	5631460		\$ 189.00	\$ 189.00	Task Management	
2013	URS	5631460		\$ 2,958.00	\$ 2,958.00	Quarterly Monitor/4 events	
2013	URS	5631460		\$ 15,007.18	\$ 15,007.18	Semi-Annual Monitor/2 events	
2013	URS	5631460		\$ 2,043.75	\$ 2,043.75	Semi-Annual Report/bslin+2 events	
2013	URS	5631460		\$ 3,062.75	\$ 3,062.75	Project Management	
2013	URS	5665361	\$ 40,163.32			Monthly Status Report	
2013	URS	5665361		\$ 14,079.07	\$ 14,079.07	Regular O&M	
2013	URS	5665361		\$ 1,817.00	\$ 1,817.00	On-Call O & M	
2013	URS	5665361		\$ 934.00	\$ 934.00	Reporting	
2013	URS	5665361		\$ 3,629.50	\$ 3,629.50	Implementation Task Mgmt	
2013	URS	5665361		\$ 67.13	\$ 67.13	Final Work Plan	
2013	URS	5665361		\$ 756.00	\$ 756.00	Task Management	
2013	URS	5665361		\$ 6,735.00	\$ 6,735.00	Quarterly Monitor/4 events	
2013	URS	5665361		\$ 7,372.41	\$ 7,372.41	Semi-Annual Monitor/2 events	
2013	URS	5665361		\$ 1,380.00	\$ 1,380.00	Semi-Annual Report/bslin+2 events	
2013	URS	5665361		\$ 3,393.21	\$ 3,393.21	Project Management	
2013	URS	5692150	\$ 38,079.24			Monthly Status Report	
2013	URS	5692150		\$ 7,978.54	\$ 7,978.54	Regular O&M	
2013	URS	5692150		\$ 1,649.50	\$ 1,649.50	On-Call O & M	
2013	URS	5692150		\$ 1,869.25	\$ 1,869.25	Implementation Task Mgmt	
2013	URS	5692150		\$ 74.50	\$ 74.50	Risk Assessment	
2013	URS	5692150		\$ 4,767.50	\$ 4,767.50	GW Modeling	
2013	URS	5692150		\$ 648.00	\$ 648.00	Bioremediation Pilot Test	
2013	URS	5692150		\$ 7,218.25	\$ 7,218.25	Task Management	
2013	URS	5692150		\$ 9,901.75	\$ 9,901.75	Semi-Annual Monitor/2 events	
2013	URS	5692150		\$ 2,754.50	\$ 2,754.50	Semi-Annual Report/bslin+2 events	
2013	URS	5692150		\$ 1,217.45	\$ 1,217.45	Project Management	
2013	URS	5723272	\$ 59,907.83			Monthly Status Report	
2013	URS	5723272		\$ 17,770.02	\$ 17,770.02	Regular O&M	
2013	URS	5723272		\$ 232.00	\$ 232.00	On-Call O & M	
2013	URS	5723272		\$ 1,458.00	\$ 1,458.00	Reporting	
2013	URS	5723272		\$ 1,269.00	\$ 1,269.00	Implementation Task Mgmt	
2013	URS	5723272		\$ 10,257.50	\$ 10,257.50	GW Modeling	
2013	URS	5723272		\$ 6,059.50	\$ 6,059.50	Well & Vapor Probe Install	
2013	URS	5723272		\$ 3,115.50	\$ 3,115.50	Bioremediation Pilot Test	
2013	URS	5723272		\$ 733.50	\$ 733.50	FS Report	
2013	URS	5723272		\$ 2,004.00	\$ 2,004.00	Task Management	
2013	URS	5723272		\$ 3,969.00	\$ 3,969.00	Quarterly Monitor/4 events	
2013	URS	5723272		\$ 4,028.26	\$ 4,028.26	Semi-Annual Monitor/2 events	
2013	URS	5723272		\$ 7,039.50	\$ 7,039.50	Semi-Annual Report/bslin+2 events	
2013	URS	5723272		\$ 1,972.05	\$ 1,972.05	Project Management	

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YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2013	URS	5758103	\$ 40,291.70			Monthly Status Report	
2013	URS	5758103		\$ 14,697.75	\$ 14,697.75	Regular O&M	
2013	URS	5758103		\$ 241.50	\$ 241.50	On-Call O & M	
2013	URS	5758103		\$ 364.50	\$ 364.50	Reporting	
2013	URS	5758103		\$ 518.00	\$ 518.00	Implementation Task Mgmt	
2013	URS	5758103		\$ 364.50	\$ 364.50	Prepare Work Plan	
2013	URS	5758103		\$ 14,916.00	\$ 14,916.00	GW Modeling	
2013	URS	5758103		\$ 546.60	\$ 546.60	Well & Vapor Probe Install	
2013	URS	5758103		\$ 1,192.50	\$ 1,192.50	SVE Pilot Testing	
2013	URS	5758103		\$ 2,090.50	\$ 2,090.50	Bioremediation Pilot Test	
2013	URS	5758103		\$ 2,341.00	\$ 2,341.00	Task Management	
2013	URS	5758103		\$ 903.33	\$ 903.33	Quarterly Monitor/4 events	
2013	URS	5758103		\$ 1,748.00	\$ 1,748.00	Semi-Annual Monitor/2 events	
2013	URS	5758103		\$ (94.50)	\$ (94.50)	Semi-Annual Report/bslin+2 events	
2013	URS	5758103		\$ 462.02	\$ 462.02	Project Management	
2014	URS	5787664	\$ 30,980.71			Monthly Status Report	
2014	URS	5787664		\$ 7,959.99	\$ 7,959.99	Regular O&M	
2014	URS	5787664		\$ 58.00	\$ 58.00	On-Call O & M	
2014	URS	5787664		\$ 35.50	\$ 35.50	Reporting	
2014	URS	5787664		\$ 1,130.50	\$ 1,130.50	Implementation Task Mgmt	
2014	URS	5787664		\$ 234.00	\$ 234.00	Prepare Work Plan	
2014	URS	5787664		\$ 298.00	\$ 298.00	GW Modeling	
2014	URS	5787664		\$ 8,778.07	\$ 8,778.07	SVE Pilot Testing	
2014	URS	5787664		\$ 2,878.00	\$ 2,878.00	Bioremediation Pilot Test	
2014	URS	5787664		\$ 2,623.00	\$ 2,623.00	Task Management	
2014	URS	5787664		\$ 2,413.25	\$ 2,413.25	Semi-Annual Monitor/2 events	
2014	URS	5787664		\$ 3,595.50	\$ 3,595.50	Semi-Annual Report/bslin+2 events	
2014	URS	5787664		\$ 976.90	\$ 976.90	Project Management	
2014	URS	5839734	\$ 40,102.11			Monthly Status Report	
2014	URS	5839734		\$ 11,131.18	\$ 11,131.18	Regular O&M	
2014	URS	5839734		\$ 59.00	\$ 59.00	On-Call O & M	
2014	URS	5839734		\$ 702.00	\$ 702.00	Reporting	
2014	URS	5839734		\$ 1,298.00	\$ 1,298.00	Implementation Task Mgmt	
2014	URS	5839734		\$ 90.16	\$ 90.16	Prepare Work Plan	
2014	URS	5839734		\$ 29.00	\$ 29.00	Final Work Plan	
2014	URS	5839734		\$ 2,301.50	\$ 2,301.50	GW Modeling	
2014	URS	5839734		\$ 860.50	\$ 860.50	Well & Vapor Probe Install	
2014	URS	5839734		\$ 3,425.30	\$ 3,425.30	SVE Pilot Testing	
2014	URS	5839734		\$ 13,784.00	\$ 13,784.00	Bioremediation Pilot Test	
2014	URS	5839734		\$ 2,784.50	\$ 2,784.50	Task Management	
2014	URS	5839734		\$ 386.00	\$ 386.00	Quarterly Monitor/4 events	
2014	URS	5839734		\$ 354.28	\$ 354.28	Semi-Annual Monitor/2 events	
2014	URS	5839734		\$ 2,483.00	\$ 2,483.00	Semi-Annual Report/bslin+2 events	
2014	URS	5839734		\$ 413.69	\$ 413.69	Project Management	
2014	URS	5851845	\$ 68,094.38			Monthly Status Report	
2014	URS	5851845		\$ 27,019.77	\$ 27,019.77	Regular O&M	
2014	URS	5851845		\$ 986.50	\$ 986.50	On-Call O & M	
2014	URS	5851845		\$ 1,930.85	\$ 1,930.85	Reporting	
2014	URS	5851845		\$ 2,793.50	\$ 2,793.50	Implementation Task Mgmt	
2014	URS	5851845		\$ 289.50	\$ 289.50	Final Work Plan	
2014	URS	5851845		\$ 17,604.50	\$ 17,604.50	GW Modeling	
2014	URS	5851845		\$ 1,951.50	\$ 1,951.50	Well & Vapor Probe Install	
2014	URS	5851845		\$ 3,560.12	\$ 3,560.12	SVE Pilot Testing	
2014	URS	5851845		\$ 4,378.75	\$ 4,378.75	Bioremediation Pilot Test	
2014	URS	5851845		\$ 206.25	\$ 206.25	FS Report	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2014	URS	5851845		\$ 4,485.00	\$ 4,485.00	Task Management	
2014	URS	5851845		\$ 753.50	\$ 753.50	Quarterly Monitor/4 events	
2014	URS	5851845		\$ 820.00	\$ 820.00	Semi-Annual Monitor/2 events	
2014	URS	5851845		\$ 1,020.50	\$ 1,020.50	Semi-Annual Report/bslin+2 events	
2014	URS	5851845		\$ 294.14	\$ 294.14	Project Management	
2014	URS	5878872	\$ 55,254.59			Monthly Status Report	
2014	URS	5878872		\$ 386.00	\$ 386.00	Noise Mitigation Upgrade	
2014	URS	5878872		\$ 11,456.24	\$ 11,456.24	Regular O&M	
2014	URS	5878872		\$ 4,643.50	\$ 4,643.50	On-Call O & M	
2014	URS	5878872		\$ 1,554.25	\$ 1,554.25	Reporting	
2014	URS	5878872		\$ 3,399.00	\$ 3,399.00	Implementation Task Mgmt	
2014	URS	5878872		\$ 2,702.00	\$ 2,702.00	Final Work Plan	
2014	URS	5878872		\$ 3,612.25	\$ 3,612.25	GW Modeling	
2014	URS	5878872		\$ 803.00	\$ 803.00	Well & Vapor Probe Install	
2014	URS	5878872		\$ 1,897.50	\$ 1,897.50	SVE Pilot Testing	
2014	URS	5878872		\$ 184.00	\$ 184.00	Bioremediation Pilot Test	
2014	URS	5878872		\$ 184.00	\$ 184.00	FS Report	
2014	URS	5878872		\$ 7,081.50	\$ 7,081.50	Task Management	
2014	URS	5878872		\$ 4,192.35	\$ 4,192.35	Monthly Monitoring	
2014	URS	5878872		\$ 501.00	\$ 501.00	Quarterly Monitor/4 events	
2014	URS	5878872		\$ 11,982.00	\$ 11,982.00	Semi-Annual Monitor/2 events	
2014	URS	5878872		\$ 584.00	\$ 584.00	Semi-Annual Report/bslin+2 events	
2014	URS	5878872		\$ 92.00	\$ 92.00	Project Management	
2014	URS	5928476	\$ 67,154.84			Monthly Status Report	
2014	URS	5928476		\$ 7,652.63	\$ 7,652.63	Regular O&M	
2014	URS	5928476		\$ 3,070.00	\$ 3,070.00	On-Call O & M	
2014	URS	5928476		\$ 2,213.00	\$ 2,213.00	Reporting	
2014	URS	5928476		\$ 1,130.00	\$ 1,130.00	Implementation Task Mgmt	
2014	URS	5928476		\$ 455.00	\$ 455.00	Final Work Plan	
2014	URS	5928476		\$ 41.25	\$ 41.25	GW Modeling	
2014	URS	5928476		\$ 2,859.50	\$ 2,859.50	Well & Vapor Probe Install	
2014	URS	5928476		\$ 35,822.25	\$ 35,822.25	SVE Pilot Testing	
2014	URS	5928476		\$ 128.50	\$ 128.50	Bioremediation Pilot Test	
2014	URS	5928476		\$ 4,661.50	\$ 4,661.50	Task Management	
2014	URS	5928476		\$ 1,756.44	\$ 1,756.44	Monthly Monitoring	
2014	URS	5928476		\$ 343.00	\$ 343.00	Quarterly Monitor/4 events	
2014	URS	5928476		\$ 2,291.36	\$ 2,291.36	Semi-Annual Monitor/2 events	
2014	URS	5928476		\$ (53.50)	\$ (53.50)	Semi-Annual Report/bslin+2 events	
2014	URS	5928476		\$ 631.91	\$ 631.91	Project Management	
2014	URS	5928476		\$ 3,152.00	\$ 3,152.00	Annual Monitoring Report	
2014	URS	5941195	\$ 36,068.27			Monthly Status Report	
2014	URS	5941195		\$ 323.56	\$ 323.56	Regular O&M	
2014	URS	5941195		\$ 482.50	\$ 482.50	Implementation Task Mgmt	
2014	URS	5941195		\$ 2,090.00	\$ 2,090.00	Final Work Plan	
2014	URS	5941195		\$ 248.50	\$ 248.50	Risk Assessment	
2014	URS	5941195		\$ 115.00	\$ 115.00	GW Modeling	
2014	URS	5941195		\$ 7,140.27	\$ 7,140.27	Well & Vapor Probe Install	
2014	URS	5941195		\$ 923.75	\$ 923.75	SVE Pilot Testing	
2014	URS	5941195		\$ 528.50	\$ 528.50	Bioremediation Pilot Test	
2014	URS	5941195		\$ 4,674.75	\$ 4,674.75	Task Management	
2014	URS	5941195		\$ 518.00	\$ 518.00	Semi-Annual Monitor/2 events	
2014	URS	5941195		\$ (337.50)	\$ (337.50)	Semi-Annual Report/bslin+2 events	
2014	URS	5941195		\$ 10,095.19	\$ 10,095.19	Biannual Monitoring	
2014	URS	5941195		\$ 7,308.50	\$ 7,308.50	Annual Monitoring Report	
2014	URS	5941195		\$ 1,957.25	\$ 1,957.25	Project Management	

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YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2014	URS	5970758	\$ 50,293.25			Monthly Status Report	
2014	URS	5970758		\$ 2,811.90	\$ 2,811.90	Regular O&M	
2014	URS	5970758		\$ 118.00	\$ 118.00	On-Call O & M	
2014	URS	5970758		\$ 193.00	\$ 193.00	Reporting	
2014	URS	5970758		\$ 381.50	\$ 381.50	Final Work Plan	
2014	URS	5970758		\$ 92.00	\$ 92.00	Risk Assessment	
2014	URS	5970758		\$ 33,511.42	\$ 33,511.42	Well & Vapor Probe Install	
2014	URS	5970758		\$ 193.00	\$ 193.00	SVE Pilot Testing	
2014	URS	5970758		\$ 4,258.25	\$ 4,258.25	Task Management	
2014	URS	5970758		\$ 37.50	\$ 37.50	Semi-Annual Monitor/2 events	
2014	URS	5970758		\$ 121.96	\$ 121.96	Project Management	
2014	URS	5970758		\$ 1,040.47	\$ 1,040.47	Biannual Monitoring	
2014	URS	5970758		\$ 5,688.00	\$ 5,688.00	Annual Monitoring Report	
2014	URS	5970758		\$ 1,846.25	\$ 1,846.25	Project Management	
2014	URS	5998105	\$ 43,850.10			Monthly Status Report	
2014	URS	5998105		\$ 8,942.65	\$ 8,942.65	Regular O&M	
2014	URS	5998105		\$ 1,395.50	\$ 1,395.50	On-Call O & M	
2014	URS	5998105		\$ 10,869.00	\$ 10,869.00	Risk Assessment	
2014	URS	5998105		\$ 1,270.00	\$ 1,270.00	GW Modeling	
2014	URS	5998105		\$ 13,341.95	\$ 13,341.95	Well & Vapor Probe Install	
2014	URS	5998105		\$ 3,002.25	\$ 3,002.25	Task Management	
2014	URS	5998105		\$ 1,386.00	\$ 1,386.00	Quarterly Monitor/4 events	
2014	URS	5998105		\$ 431.00	\$ 431.00	Semi-Annual Monitor/2 events	
2014	URS	5998105		\$ 772.00	\$ 772.00	Biannual Monitoring	
2014	URS	5998105		\$ 2,439.75	\$ 2,439.75	Project Management	
2014	URS	6030551	\$ 69,748.28			Monthly Status Report	
2014	URS	6030551		\$ 4,497.44	\$ 4,497.44	Regular O&M	
2014	URS	6030551		\$ 1,732.50	\$ 1,732.50	On-Call O & M	
2014	URS	6030551		\$ 273.44	\$ 273.44	Reporting	
2014	URS	6030551		\$ 96.50	\$ 96.50	Implementation Task Mgmt	
2014	URS	6030551		\$ 386.00	\$ 386.00	Task Management	
2014	URS	6030551		\$ 4,600.50	\$ 4,600.50	Risk Assessment	
2014	URS	6030551		\$ 21,805.50	\$ 21,805.50	GW Modeling	
2014	URS	6030551		\$ 5,627.50	\$ 5,627.50	Well & Vapor Probe Install	
2014	URS	6030551		\$ 193.00	\$ 193.00	SVE Pilot Testing	
2014	URS	6030551		\$ 16,060.25	\$ 16,060.25	Bioremediation Pilot Test	
2014	URS	6030551		\$ 69.00	\$ 69.00	FS Report	
2014	URS	6030551		\$ 4,257.00	\$ 4,257.00	Task Management	
2014	URS	6030551		\$ 46.00	\$ 46.00	Semi-Annual Report/bslin+2 events	
2014	URS	6030551		\$ 3,129.37	\$ 3,129.37	Semi-Annual Monitor/2 events	
2014	URS	6030551		\$ 720.50	\$ 720.50	Biannual Monitoring	
2014	URS	6030551		\$ 3,570.50	\$ 3,570.50	CAB Meetings	
2014	URS	6030551		\$ 2,683.28	\$ 2,683.28	Project Management	
2014	URS	6063987	\$ 131,947.92			Monthly Status Report	
2014	URS	6063987		\$ 4,032.53	\$ 4,032.53	Regular O&M	
2014	URS	6063987		\$ 581.03	\$ 581.03	On-Call O & M	
2014	URS	6063987		\$ 5,571.55	\$ 5,571.55	SVE Design & Permitting	
2014	URS	6063987		\$ 4,003.25	\$ 4,003.25	Task Management	
2014	URS	6063987		\$ 2,886.50	\$ 2,886.50	Risk Assessment	
2014	URS	6063987		\$ 1,239.11	\$ 1,239.11	GW Modeling	
2014	URS	6063987		\$ 107,003.81	\$ 107,003.81	Well & Vapor Probe Install	
2014	URS	6063987		\$ 886.00	\$ 886.00	FS Report	
2014	URS	6063987		\$ 1,130.00	\$ 1,130.00	Task Management	
2014	URS	6063987		\$ 641.00	\$ 641.00	Semi-Annual Monitor/2 events	
2014	URS	6063987		\$ 727.50	\$ 727.50	Biannual Monitoring	

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YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2014	URS	6063987		\$ 75.00	\$ 75.00	Annual Monitoring Report	
2014	URS	6063987		\$ 1,983.32	\$ 1,983.32	CAB Meetings	
2014	URS	6063987		\$ 1,187.32	\$ 1,187.32	Project Management	
2014	URS	6121275	\$ 37,971.18			Monthly Status Report	
2014	URS	6121275		\$ 7,189.52	\$ 7,189.52	Regular O&M	
2014	URS	6121275		\$ 1,211.25	\$ 1,211.25	On-Call O & M	
2014	URS	6121275		\$ 1,320.75	\$ 1,320.75	SVE Design & Permitting	
2014	URS	6121275		\$ 275.50	\$ 275.50	Equip Procurement and Install	
2014	URS	6121275		\$ 1,688.75	\$ 1,688.75	Task Management	
2014	URS	6121275		\$ 2,743.50	\$ 2,743.50	Risk Assessment	
2014	URS	6121275		\$ 5,891.50	\$ 5,891.50	GW Modeling	
2014	URS	6121275		\$ 784.91	\$ 784.91	Well & Vapor Probe Install	
2014	URS	6121275		\$ 12,682.50	\$ 12,682.50	FS Report	
2014	URS	6121275		\$ 1,638.75	\$ 1,638.75	Task Management	
2014	URS	6121275		\$ 72.00	\$ 72.00	Semi-Annual Monitor/2 events	
2014	URS	6121275		\$ 579.00	\$ 579.00	CAB Meetings	
2014	URS	6121275		\$ 1,896.78	\$ 1,896.78	Project Management	
2014	URS	6121275		\$ (3.53)	\$ (3.53)	AT&T Teleconference Service Credit	
2014	URS	6135318	\$ 30,050.06			Monthly Status Report	
2014	URS	6135318		\$ 2,433.42	\$ 2,433.42	Regular O&M	
2014	URS	6135318		\$ 755.00	\$ 755.00	On-Call O & M	
2014	URS	6135318		\$ 7,854.75	\$ 7,854.75	SVE Design & Permitting	
2014	URS	6135318		\$ 3,917.65	\$ 3,917.65	Equip Procurement and Install	
2014	URS	6135318		\$ 530.75	\$ 530.75	Task Management	
2014	URS	6135318		\$ 1,664.75	\$ 1,664.75	Risk Assessment	
2014	URS	6135318		\$ 368.00	\$ 368.00	GW Modeling	
2014	URS	6135318		\$ 289.50	\$ 289.50	Well & Vapor Probe Install	
2014	URS	6135318		\$ 8,126.25	\$ 8,126.25	FS Report	
2014	URS	6135318		\$ 987.00	\$ 987.00	Task Management	
2014	URS	6135318		\$ 2,257.00	\$ 2,257.00	CAB Meetings	
2014	URS	6135318		\$ 865.99	\$ 865.99	Project Management	
2015	URS	6162777	\$ 55,733.01			Monthly Status Report	
2015	URS	6162777		\$ 1,325.39	\$ 1,325.39	Regular O&M	
2015	URS	6162777		\$ 224.00	\$ 224.00	On-Call O & M	
2015	URS	6162777		\$ 1,211.75	\$ 1,211.75	SVE Design & Permitting	
2015	URS	6162777		\$ 5,129.94	\$ 5,129.94	Equip Procurement and Install	
2015	URS	6162777		\$ 2,387.32	\$ 2,387.32	SVE System Startup	
2015	URS	6162777		\$ 46.00	\$ 46.00	Performance Rebound Sampling	
2015	URS	6162777		\$ 806.25	\$ 806.25	Task Management	
2015	URS	6162777		\$ 1,330.68	\$ 1,330.68	Risk Assessment	
2015	URS	6162777		\$ 11,477.00	\$ 11,477.00	GW Modeling	
2015	URS	6162777		\$ 48.00	\$ 48.00	Well & Vapor Probe Install	
2015	URS	6162777		\$ 25,343.25	\$ 25,343.25	FS Report	
2015	URS	6162777		\$ 1,973.75	\$ 1,973.75	Task Management	
2015	URS	6162777		\$ 123.00	\$ 123.00	Semi-Annual Monitor/2 events	
2015	URS	6162777		\$ 1,296.00	\$ 1,296.00	Biannual Monitoring	
2015	URS	6162777		\$ 246.50	\$ 246.50	Annual Monitoring Report	
2015	URS	6162777		\$ 1,817.00	\$ 1,817.00	CAB Meetings	
2015	URS	6162777		\$ 947.18	\$ 947.18	Project Management	
2015	URS	6191765	\$ 72,112.04			Monthly Status Report	
2015	URS	6191765		\$ 1,861.50	\$ 1,861.50	Regular O&M	
2015	URS	6191765		\$ 676.25	\$ 676.25	On-Call O & M	
2015	URS	6191765		\$ 10,533.68	\$ 10,533.68	Equip Procurement and Install	
2015	URS	6191765		\$ 7,994.24	\$ 7,994.24	SVE System Startup	
2015	URS	6191765		\$ 289.50	\$ 289.50	Task Management	

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YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2015	URS	6191765		\$ 193.00	\$ 193.00	Risk Assessment	
2015	URS	6191765		\$ 6,782.50	\$ 6,782.50	GW Modeling	
2015	URS	6191765		\$ 23,296.98	\$ 23,296.98	FS Report	
2015	URS	6191765		\$ 1,875.50	\$ 1,875.50	Task Management	
2015	URS	6191765		\$ 193.00	\$ 193.00	Monthly Monitoring	
2015	URS	6191765		\$ 2,826.50	\$ 2,826.50	Biannual Monitoring	
2015	URS	6191765		\$ 13,709.85	\$ 13,709.85	Annual Monitoring Report	
2015	URS	6191765		\$ 193.00	\$ 193.00	CAB Meetings	
2015	URS	6191765		\$ 1,686.54	\$ 1,686.54	Project Management	
2015	URS	6231311	\$ 75,805.78			Monthly Status Report	
2015	URS	6231311		\$ 3,357.61	\$ 3,357.61	Regular O&M	
2015	URS	6231311		\$ 59.00	\$ 59.00	On-Call O & M	
2015	URS	6231311		\$ 17,384.49	\$ 17,384.49	Equip Procurement and Install	
2015	URS	6231311		\$ 13,631.30	\$ 13,631.30	SVE System Startup	
2015	URS	6231311		\$ 3,680.00	\$ 3,680.00	SVE System Op & Maint	
2015	URS	6231311		\$ 1,843.00	\$ 1,843.00	Reporting	
2015	URS	6231311		\$ 910.00	\$ 910.00	Task Management	
2015	URS	6231311		\$ 289.50	\$ 289.50	Risk Assessment	
2015	URS	6231311		\$ 1,731.75	\$ 1,731.75	GW Modeling	
2015	URS	6231311		\$ 15,958.94	\$ 15,958.94	FS Report	
2015	URS	6231311		\$ 2,227.50	\$ 2,227.50	Task Management	
2015	URS	6231311		\$ 527.50	\$ 527.50	Biannual Monitoring	
2015	URS	6231311		\$ 10,863.65	\$ 10,863.65	Annual Monitoring	
2015	URS	6231311		\$ 1,419.00	\$ 1,419.00	Annual Monitoring Report	
2015	URS	6231311		\$ 1,922.54	\$ 1,922.54	Project Management	
2015	URS	6272653	\$ 29,092.10			Monthly Status Report	
2015	URS	6272653		\$ 3,420.78	\$ 3,420.78	Regular O&M	
2015	URS	6272653		\$ 787.14	\$ 787.14	SVE System Startup	
2015	URS	6272653		\$ 9,088.26	\$ 9,088.26	SVE System Op & Maint	
2015	URS	6272653		\$ 165.00	\$ 165.00	Reporting	
2015	URS	6272653		\$ 2,636.50	\$ 2,636.50	Task Management	
2015	URS	6272653		\$ 247.50	\$ 247.50	GW Modeling	
2015	URS	6272653		\$ 2,038.50	\$ 2,038.50	FS Report	
2015	URS	6272653		\$ 2,001.00	\$ 2,001.00	Task Management	
2015	URS	6272653		\$ 2,982.00	\$ 2,982.00	Biannual Monitoring	
2015	URS	6272653		\$ 2,008.00	\$ 2,008.00	Annual Monitoring	
2015	URS	6272653		\$ 3,176.00	\$ 3,176.00	Annual Monitoring Report	
2015	URS	6272653		\$ 541.42	\$ 541.42	Project Management	
2015	URS	37584956	\$ 34,825.49			Monthly Status Report	
2015	URS	37584956		\$ 92.00	\$ 92.00	Regular O&M	
2015	URS	37584956		\$ 283.75	\$ 283.75	SVE System Op & Maint	
2015	URS	37584956		\$ 1,982.50	\$ 1,982.50	Task Management	
2015	URS	37584956		\$ 367.50	\$ 367.50	Risk Assessment	
2015	URS	37584956		\$ 330.00	\$ 330.00	GW Modeling	
2015	URS	37584956		\$ 12,565.02	\$ 12,565.02	FS Report	
2015	URS	37584956		\$ 1,084.50	\$ 1,084.50	Task Management	
2015	URS	37584956		\$ 7,260.50	\$ 7,260.50	Biannual Monitoring	
2015	URS	37584956		\$ 3,720.22	\$ 3,720.22	Annual Monitoring	
2015	URS	37584956		\$ 6,496.50	\$ 6,496.50	Annual Monitoring Report	
2015	URS	37584956		\$ 643.00	\$ 643.00	Project Management	
2015	URS	37610359	\$ 63,141.91			Monthly Status Report	
2015	URS	37610359		\$ 11,328.78	\$ 11,328.78	SVE System Op & Maint	
2015	URS	37610359		\$ 671.83	\$ 671.83	Performance Rebound Sampling	
2015	URS	37610359		\$ 119.92	\$ 119.92	Reporting	
2015	URS	37610359		\$ 742.50	\$ 742.50	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2015	URS	37610359		\$ 20,838.00	\$ 20,838.00	GW Modeling	
2015	URS	37610359		\$ 17,184.13	\$ 17,184.13	FS Report	
2015	URS	37610359		\$ 5,919.25	\$ 5,919.25	Task Management	
2015	URS	37610359		\$ 606.00	\$ 606.00	Biannual Monitoring	
2015	URS	37610359		\$ 488.50	\$ 488.50	Annual Monitoring	
2015	URS	37610359		\$ 4,320.75	\$ 4,320.75	Annual Monitoring Report	
2015	URS	37610359		\$ 922.25	\$ 922.25	Project Management	
2015	URS	37613853	\$ 30,087.04			Monthly Status Report	
2015	URS	37613853		\$ 11,284.65	\$ 11,284.65	SVE System Op & Maint	
2015	URS	37613853		\$ 2,653.50	\$ 2,653.50	Performance Rebound Sampling	
2015	URS	37613853		\$ 1,630.00	\$ 1,630.00	Reporting	
2015	URS	37613853		\$ 1,529.00	\$ 1,529.00	Task Management	
2015	URS	37613853		\$ 2,899.50	\$ 2,899.50	GW Modeling	
2015	URS	37613853		\$ 814.00	\$ 814.00	Well & Vapor Probe Install	
2015	URS	37613853		\$ 4,304.89	\$ 4,304.89	FS Report	
2015	URS	37613853		\$ 2,843.75	\$ 2,843.75	Task Management	
2015	URS	37613853		\$ 199.00	\$ 199.00	Semi-Annual Monitoring	
2015	URS	37613853		\$ 470.50	\$ 470.50	Biannual Monitoring	
2015	URS	37613853		\$ 199.00	\$ 199.00	Annual Monitoring	
2015	URS	37613853		\$ 896.75	\$ 896.75	Annual Monitoring Report	
2015	URS	37613853		\$ 362.50	\$ 362.50	Project Management	
2015	URS	37625745	\$ 18,696.36			Monthly Status Report	
2015	URS	37625745		\$ 9,796.11	\$ 9,796.11	SVE System Op & Maint	
2015	URS	37625745		\$ 99.50	\$ 99.50	Performance Rebound Sampling	
2015	URS	37625745		\$ 758.00	\$ 758.00	Reporting	
2015	URS	37625745		\$ 1,094.50	\$ 1,094.50	Task Management	
2015	URS	37625745		\$ 99.50	\$ 99.50	Well & Vapor Probe Install	
2015	URS	37625745		\$ 1,094.50	\$ 1,094.50	FS Report	
2015	URS	37625745		\$ 3,033.00	\$ 3,033.00	Task Management	
2015	URS	37625745		\$ 298.50	\$ 298.50	Semi-Annual Monitoring	
2015	URS	37625745		\$ 597.00	\$ 597.00	Biannual Monitoring	
2015	URS	37625745		\$ 447.75	\$ 447.75	Annual Monitoring Report	
2015	URS	37625745		\$ 1,378.00	\$ 1,378.00	Project Management	
2015	URS	4137638643	\$ 14,552.08			Monthly Status Report	
2015	URS	4137638643		\$ 41.00	\$ 41.00	SVE System Startup	
2015	URS	4137638643		\$ 5,114.08	\$ 5,114.08	SVE System Op & Maint	
2015	URS	4137638643		\$ 99.50	\$ 99.50	Performance Rebound Sampling	
2015	URS	4137638643		\$ 416.00	\$ 416.00	Reporting	
2015	URS	4137638643		\$ 1,243.75	\$ 1,243.75	Task Management	
2015	URS	4137638643		\$ 1,478.00	\$ 1,478.00	FS Report	
2015	URS	4137638643		\$ 2,017.25	\$ 2,017.25	Task Management	
2015	URS	4137638643		\$ 796.00	\$ 796.00	Semi-Annual Monitoring	
2015	URS	4137638643		\$ 398.00	\$ 398.00	Biannual Monitoring	
2015	URS	4137638643		\$ 237.50	\$ 237.50	Annual Monitoring	
2015	URS	4137638643		\$ 687.50	\$ 687.50	Annual Monitoring Report	
2015	URS	4137638643		\$ 2,023.50	\$ 2,023.50	Project Management	
2015	URS	37658207	\$ 43,431.80			Monthly Status Report	
2015	URS	37658207		\$ 30,389.75	\$ 30,389.75	SVE System Op & Maint	
2015	URS	37658207		\$ 59.50	\$ 59.50	Reporting	
2015	URS	37658207		\$ 1,094.50	\$ 1,094.50	Task Management	
2015	URS	37658207		\$ 1,375.00	\$ 1,375.00	Well & Vapor Probe Install	
2015	URS	37658207		\$ 3,870.05	\$ 3,870.05	FS Report	
2015	URS	37658207		\$ 2,676.75	\$ 2,676.75	Task Management	
2015	URS	37658207		\$ 127.50	\$ 127.50	Semi-Annual Monitoring	
2015	URS	37658207		\$ 23.75	\$ 23.75	Biannual Monitoring	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2015	URS	37658207		\$ 2,346.00	\$ 2,346.00	Annual Monitoring Report	
2015	URS	37658207		\$ 1,469.00	\$ 1,219.00	Project Management	Appropriate documentation/Invoice backup missing
2015	URS	37676411	\$ 14,908.15			Monthly Status Report	
2015	URS	37676411		\$ 5,674.10	\$ 5,674.10	SVE System Op & Maint	
2015	URS	37676411		\$ 170.00	\$ 170.00	Performance Rebound Sampling	
2015	URS	37676411		\$ 1,438.50	\$ 1,438.50	Task Management	
2015	URS	37676411		\$ 5,326.55	\$ 5,326.55	Well & Vapor Probe Install	
2015	URS	37676411		\$ 339.50	\$ 339.50	FS Report	
2015	URS	37676411		\$ 1,403.25	\$ 1,403.25	Task Management	
2015	URS	37676411		\$ 170.00	\$ 170.00	Annual Monitoring Report	
2015	URS	37676411		\$ 386.25	\$ 386.25	Project Management	
2015	URS	37686357	\$ 15,290.23			Monthly Status Report	
2015	URS	37686357		\$ 154.00	\$ 154.00	Regular O&M	
2015	URS	37686357		\$ 9,392.44	\$ 9,392.44	SVE System Op & Maint	
2015	URS	37686357		\$ 382.50	\$ 382.50	Performance Rebound Sampling	
2015	URS	37686357		\$ 95.00	\$ 95.00	Reporting	
2015	URS	37686357		\$ 1,118.25	\$ 1,118.25	Task Management	
2015	URS	37686357		\$ 523.04	\$ 523.04	Well & Vapor Probe Install	
2015	URS	37686357		\$ 506.75	\$ 506.75	FS Report	
2015	URS	37686357		\$ 2,589.50	\$ 2,589.50	Task Management	
2015	URS	37686357		\$ 528.75	\$ 528.75	Project Management	
2016	URS	37706455	\$ 54,785.78			Monthly Status Report	
2016	URS	37706455		\$ (154.00)	\$ (154.00)	Regular O&M	
2016	URS	37706455		\$ 6,359.48	\$ 6,359.48	SVE System Op & Maint	
2016	URS	37706455		\$ 2,153.80	\$ 2,153.80	Performance Rebound Sampling	
2016	URS	37706455		\$ 1,094.50	\$ 1,094.50	Task Management	
2016	URS	37706455		\$ 2,325.94	\$ 2,325.94	Well & Vapor Probe Install	
2016	URS	37706455		\$ 6,410.75	\$ 6,410.75	FS Report	
2016	URS	37706455		\$ 4,874.00	\$ 4,874.00	Task Management	
2016	URS	37706455		\$ 125.00	\$ 125.00	Project Management	
2016	URS	37706455		\$ 31,596.31	\$ 31,596.31	ADEQ Oversight	
2016	URS	37717784	\$ 9,887.19			Monthly Status Report	
2016	URS	37717784		\$ (433.31)	\$ (433.31)	SVE System Op & Maint	
2016	URS	37717784		\$ 2,176.25	\$ 2,176.25	Performance Rebound Sampling	
2016	URS	37717784		\$ 1,208.50	\$ 1,208.50	Reporting	
2016	URS	37717784		\$ 332.00	\$ 332.00	Task Management	
2016	URS	37717784		\$ 586.50	\$ 586.50	GW Modeling	
2016	URS	37717784		\$ 245.00	\$ 245.00	Well & Vapor Probe Install	
2016	URS	37717784		\$ 1,678.75	\$ 1,678.75	FS Report	
2016	URS	37717784		\$ 3,968.50	\$ 3,968.50	Task Management	
2016	URS	37717784		\$ 125.00	\$ -	Project Management	Appropriate documentation/Invoice backup missing
2016	URS	37741782	\$ 50,623.04			Monthly Status Report	
2016	URS	37741782		\$ 3,672.67	\$ 3,647.64	SVE System Op & Maint	Appropriate documentation/Invoice backup missing
2016	URS	37741782		\$ 3,345.64	\$ 3,294.14	Performance Rebound Sampling	Appropriate documentation/Invoice backup missing
2016	URS	37741782		\$ 2,817.25	\$ 2,817.25	Reporting	
2016	URS	37741782		\$ 1,127.50	\$ 1,127.50	Task Management	
2016	URS	37741782		\$ 3,677.50	\$ 3,677.50	GW Modeling	
2016	URS	37741782		\$ 974.40	\$ 974.40	Well & Vapor Probe Install	
2016	URS	37741782		\$ 10,085.50	\$ 10,085.50	FS Report	
2016	URS	37741782		\$ 5,094.00	\$ 5,094.00	Task Management	
2016	URS	37741782		\$ 2,716.25	\$ 2,716.25	Semi-Annual Monitoring	
2016	URS	37741782		\$ 5.39	\$ 5.39	Biannual Monitoring	
2016	URS	37741782		\$ 1,577.00	\$ 1,577.00	Project Management	
2016	URS	37741782		\$ 1,932.17	\$ 1,932.17	Monitoring Well Maintenance	
2016	URS	37741782		\$ 12,346.77	\$ 12,346.77	Biannual Monitoring	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2016	URS	37741782		\$ 1,251.00	\$ 1,251.00	Project Management	
2016	URS	37752013	\$ 33,811.74			Monthly Status Report	
2016	URS	37752013		\$ 1,225.10	\$ 1,225.10	SVE System Op & Maint	
2016	URS	37752013		\$ 273.00	\$ 273.00	Reporting	
2016	URS	37752013		\$ 102.50	\$ 102.50	Task Management	
2016	URS	37752013		\$ 19,285.25	\$ 19,285.25	FS Report	
2016	URS	37752013		\$ 1,277.00	\$ 1,277.00	Task Management	
2016	URS	37752013		\$ 171.50	\$ 46.50	Project Management	Appropriate documentation/Invoice backup missing
2016	URS	37752013		\$ 7,384.89	\$ 7,384.89	Biannual Monitoring	
2016	URS	37752013		\$ 2,145.00	\$ 2,145.00	Annual Monitoring Report	
2016	URS	37752013		\$ 307.50	\$ 307.50	CAB Meetings	
2016	URS	37752013		\$ 1,640.00	\$ 1,640.00	Project Management	
2016	URS	37765598	\$ 30,645.95			Monthly Status Report	
2016	URS	37765598		\$ 170.50	\$ 170.50	Regular O&M	
2016	URS	37765598		\$ 441.30	\$ 414.00	SVE System Op & Maint	Appropriate documentation/Invoice backup missing
2016	URS	37765598		\$ 3,908.30	\$ 3,908.30	Performance Rebound Sampling	
2016	URS	37765598		\$ 98.00	\$ 98.00	Reporting	
2016	URS	37765598		\$ 1,007.00	\$ 1,007.00	Well & Vapor Probe Install	
2016	URS	37765598		\$ 2,394.07	\$ 2,394.07	FS Report	
2016	URS	37765598		\$ 841.50	\$ 841.50	Task Management	
2016	URS	37765598		\$ 11,204.88	\$ 6,073.38	Biannual Monitoring	Appropriate documentation/Invoice backup missing
2016	URS	37765598		\$ 8,508.40	\$ 8,508.40	CAB Meetings	
2016	URS	37765598		\$ 2,072.00	\$ 2,072.00	Project Management	
2016	URS	37778939	\$ 19,363.75			Monthly Status Report	
2016	URS	37778939		\$ 1,059.00	\$ 1,059.00	Regular O&M	
2016	URS	37778939		\$ 481.00	\$ 481.00	SVE System Op & Maint	
2016	URS	37778939		\$ 1,082.00	\$ 1,082.00	Performance Rebound Sampling	
2016	URS	37778939		\$ 200.50	\$ 200.50	Reporting	
2016	URS	37778939		\$ 1,435.00	\$ 1,435.00	Task Management	
2016	URS	37778939		\$ 1,377.00	\$ 1,377.00	Well & Vapor Probe Install	
2016	URS	37778939		\$ 5,683.00	\$ 5,683.00	FS Report	
2016	URS	37778939		\$ 196.00	\$ 196.00	CAB Meetings	
2016	URS	37778939		\$ 686.00	\$ 686.00	Monitoring Well Maintenance	
2016	URS	37778939		\$ 2,120.50	\$ 2,120.50	Biannual Monitoring	
2016	URS	37778939		\$ 512.50	\$ 512.50	Annual Monitoring Report	
2016	URS	37778939		\$ 392.25	\$ 392.25	CAB Meetings	
2016	URS	37778939		\$ 4,139.00	\$ 4,139.00	Project Management	
2016	URS	37797432	\$ 13,478.31			Monthly Status Report	
2016	URS	37797432		\$ 923.66	\$ 923.66	Regular O&M	
2016	URS	37797432		\$ 183.30	\$ 183.30	SVE System Op & Maint	
2016	URS	37797432		\$ 185.50	\$ 185.50	Reporting	
2016	URS	37797432		\$ 102.50	\$ 102.50	Task Management	
2016	URS	37797432		\$ 820.00	\$ 820.00	FS Report	
2016	URS	37797432		\$ 171.50	\$ 171.50	CAB Meetings	
2016	URS	37797432		\$ 250.00	\$ -	Project Management	Appropriate documentation/Invoice backup missing
2016	URS	37797432		\$ 3,214.35	\$ 3,190.00	Monitoring Well Maintenance	Appropriate documentation/Invoice backup missing
2016	URS	37797432		\$ 152.00	\$ 152.00	Biannual Monitoring	
2016	URS	37797432		\$ 5,375.50	\$ 5,375.50	Annual Monitoring Report	
2016	URS	37797432		\$ 1,052.50	\$ 1,052.50	CAB Meetings	
2016	URS	37797432		\$ 1,047.50	\$ 1,047.50	Project Management	
2016	URS	37802332	\$ 11,996.99			Monthly Status Report	
2016	URS	37802332		\$ 414.04	\$ 414.04	Regular O&M	
2016	URS	37802332		\$ 27.30	\$ 27.30	SVE System Op & Maint	
2016	URS	37802332		\$ 51.15	\$ 51.15	Performance Rebound Sampling	
2016	URS	37802332		\$ 98.00	\$ 98.00	Reporting	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2016	URS	37802332		\$ 307.50	\$ 307.50	Task Management	
2016	URS	37802332		\$ 615.00	\$ 615.00	Well & Vapor Probe Install	
2016	URS	37802332		\$ 205.00	\$ 205.00	FS Report	
2016	URS	37802332		\$ 5,863.00	\$ 5,863.00	Monitoring Well Maintenance	
2016	URS	37802332		\$ 1,430.50	\$ 1,430.50	Biannual Monitoring	
2016	URS	37802332		\$ 1,016.00	\$ 1,016.00	Annual Monitoring Report	
2016	URS	37802332		\$ 1,969.50	\$ 1,969.50	Project Management	
2016	URS	37815171	\$ 2,872.50			Monthly Status Report	
2016	URS	37815171		\$ 402.50	\$ 402.50	Regular O&M	
2016	URS	37815171		\$ 102.50	\$ 102.50	SVE System Op & Maint	
2016	URS	37815171		\$ 175.00	\$ 175.00	Performance Rebound Sampling	
2016	URS	37815171		\$ 102.50	\$ 102.50	Semi-Annual Monitoring	
2016	URS	37815171		\$ 657.00	\$ 657.00	Biannual Monitoring	
2016	URS	37815171		\$ 717.50	\$ 717.50	Annual Monitoring Report	
2016	URS	37815171		\$ 715.50	\$ 715.50	Project Management	
2016	URS	37834850	\$ 10,376.43			Monthly Status Report	
2016	URS	37834850		\$ 287.54	\$ 287.54	Regular O&M	
2016	URS	37834850		\$ 3,228.99	\$ 3,228.99	Performance Rebound Sampling	
2016	URS	37834850		\$ 666.25	\$ 666.25	Task Management	
2016	URS	37834850		\$ 761.00	\$ 761.00	FS Report	
2016	URS	37834850		\$ 2,646.40	\$ 2,646.40	Semi-Annual Monitoring	
2016	URS	37834850		\$ 410.00	\$ 410.00	Biannual Monitoring	
2016	URS	37834850		\$ 24.50	\$ 24.50	Annual Monitoring Report	
2016	URS	37834850		\$ 2,351.75	\$ 226.75	Project Management	Appropriate documentation/Invoice backup missing
2016	URS	37847702	\$ 12,708.04			Monthly Status Report	
2016	URS	37847702		\$ 1,554.54	\$ 1,554.54	Regular O&M	
2016	URS	37847702		\$ 4,465.30	\$ 4,465.30	Performance Rebound Sampling	
2016	URS	37847702		\$ 555.00	\$ 555.00	Reporting	
2016	URS	37847702		\$ 102.50	\$ 102.50	FS Report	
2016	URS	37847702		\$ 175.00	\$ 175.00	Task Management	
2016	URS	37847702		\$ 572.20	\$ 572.20	Semi-Annual Monitoring	
2016	URS	37847702		\$ 205.00	\$ 205.00	Biannual Monitoring	
2016	URS	37847702		\$ 4,238.50	\$ 4,238.50	Annual Monitoring Report	
2016	URS	37847702		\$ 840.00	\$ 715.00	Project Management	Appropriate documentation/Invoice backup missing
2016	URS	37857065	\$ 14,725.41			Monthly Status Report	
2016	URS	37857065		\$ 1,257.41	\$ 1,257.41	Regular O&M	
2016	URS	37857065		\$ 49.00	\$ 49.00	Performance Rebound Sampling	
2016	URS	37857065		\$ 3,931.00	\$ 3,931.00	Reporting	
2016	URS	37857065		\$ 5,613.00	\$ 5,613.00	FS Report	
2016	URS	37857065		\$ 606.00	\$ 606.00	Semi-Annual Monitoring	
2016	URS	37857065		\$ 2,351.50	\$ 2,351.50	Annual Monitoring Report	
2016	URS	37857065		\$ 917.50	\$ 792.50	Project Management	Appropriate documentation/Invoice backup missing
2017	URS	37875560	\$ 19,278.30			Monthly Status Report	
2017	URS	37875560		\$ 2,006.00	\$ 2,006.00	Regular O&M	
2017	URS	37875560		\$ 1,487.50	\$ 1,487.50	Reporting	
2017	URS	37875560		\$ 8,750.00	\$ 8,750.00	FS Report	
2017	URS	37875560		\$ 307.30	\$ 307.30	Semi-Annual Monitoring	
2017	URS	37875560		\$ 1,184.00	\$ 1,184.00	Annual Monitoring	
2017	URS	37875560		\$ 3,807.50	\$ 3,807.50	Annual Monitoring Report	
2017	URS	37875560		\$ 1,736.00	\$ 1,611.00	Project Management	Appropriate documentation/Invoice backup missing
2017	URS	37886978	\$ 22,858.51			Monthly Status Report	
2017	URS	37886978		\$ 3,269.25	\$ 3,269.25	Regular O&M	
2017	URS	37886978		\$ 2,126.50	\$ 2,126.50	Reporting	
2017	URS	37886978		\$ 7,067.14	\$ 7,067.14	FS Report	
2017	URS	37886978		\$ 1,338.00	\$ 1,338.00	Semi-Annual Monitoring	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2017	URS	37886978		\$ 383.50	\$ 383.50	Biannual Monitoring	
2017	URS	37886978		\$ 6,142.00	\$ 6,142.00	Annual Monitoring	
2017	URS	37886978		\$ 1,588.00	\$ 1,588.00	Annual Monitoring Report	
2017	URS	37886978		\$ 918.50	\$ 918.50	Project Management	
2017	URS	37897788	\$ 33,544.44			Monthly Status Report	
2017	URS	37897788		\$ 670.00	\$ 670.00	Regular O&M	
2017	URS	37897788		\$ 3,384.00	\$ 3,384.00	Reporting	
2017	URS	37897788		\$ 43.75	\$ 43.75	Task Management	
2017	URS	37897788		\$ 307.50	\$ 307.50	Well & Vapor Probe	
2017	URS	37897788		\$ 13,497.44	\$ 13,497.44	FS Report	
2017	URS	37897788		\$ 205.00	\$ 205.00	CAB Meetings	
2017	URS	37897788		\$ 438.50	\$ 438.50	Semi-Annual Monitoring	
2017	URS	37897788		\$ 12,498.25	\$ 12,498.25	Biannual Monitoring	
2017	URS	37897788		\$ 331.00	\$ 331.00	Annual Monitoring Report	
2017	URS	37897788		\$ 1,580.50	\$ 1,455.50	Project Management	Appropriate documentation/Invoice backup missing
2017	URS	37897788		\$ 588.50	\$ 588.50	ADEQ Oversight	
2017	URS	37907682	\$ 38,600.77			Monthly Status Report	
2017	URS	37907682		\$ 60.85	\$ 60.85	Regular O&M	
2017	URS	37907682		\$ 1,432.50	\$ 1,432.50	Reporting	
2017	URS	37907682		\$ 175.00	\$ 175.00	Task Management	
2017	URS	37907682		\$ 3,414.00	\$ 3,414.00	FS Report	
2017	URS	37907682		\$ 307.50	\$ 307.50	Task Management	
2017	URS	37907682		\$ (316.00)	\$ (316.00)	Semi-Annual Monitoring	
2017	URS	37907682		\$ 5,434.09	\$ 5,434.09	Annual Monitoring	
2017	URS	37907682		\$ 14.52	\$ 14.52	Annual Monitoring Report	
2017	URS	37907682		\$ 3,144.00	\$ 3,019.00	Project Management	Appropriate documentation/Invoice backup missing
2017	URS	37907682		\$ 24,934.31	\$ 24,934.31	ADEQ Oversight	
2017	URS	37921613	\$ 12,488.86			Monthly Status Report	
2017	URS	37921613		\$ 246.03	\$ 246.03	Regular O&M	
2017	URS	37921613		\$ 4,634.50	\$ 4,634.50	Reporting	
2017	URS	37921613		\$ 3,795.50	\$ 3,795.50	FS Report	
2017	URS	37921613		\$ 1,332.50	\$ 1,332.50	Task Management	
2017	URS	37921613		\$ 205.00	\$ 205.00	Annual Monitoring	
2017	URS	37921613		\$ 1,403.25	\$ 1,403.25	Project Management	
2017	URS	37921613		\$ 872.08	\$ 872.08	ADEQ Oversight	
2017	URS	37939136	\$ 13,376.04			Monthly Status Report	
2017	URS	37939136		\$ 553.53	\$ 553.53	Regular O&M	
2017	URS	37939136		\$ 22.76	\$ 22.76	Reporting	
2017	URS	37939136		\$ 4,978.75	\$ 4,978.75	FS Report	
2017	URS	37939136		\$ 2,261.25	\$ 2,261.25	Task Management	
2017	URS	37939136		\$ 2,339.25	\$ 2,339.25	Annual Monitoring	
2017	URS	37939136		\$ 1,537.50	\$ 1,537.50	Annual Monitoring Report	
2017	URS	37939136		\$ 1,683.00	\$ 1,683.00	Project Management	
2017	URS	37950275	\$ 34,864.43			Monthly Status Report	
2017	URS	37950275		\$ 251.03	\$ 251.03	Regular O&M	
2017	URS	37950275		\$ 315.00	\$ 315.00	SVE Design & Permit	
2017	URS	37950275		\$ 3,050.00	\$ 3,050.00	Insurance Car Mtg	
2017	URS	37950275		\$ 2,520.00	\$ 2,520.00	Site Background & Characterization	
2017	URS	37950275		\$ 5,132.00	\$ 5,132.00	VI Assessment	
2017	URS	37950275		\$ 3,195.00	\$ 3,195.00	GW Modeling Report	
2017	URS	37950275		\$ 1,631.25	\$ 1,631.25	Address Agency Comt	
2017	URS	37950275		\$ 3,573.00	\$ 3,573.00	Task Management	
2017	URS	37950275		\$ 9,621.65	\$ 9,621.65	Annual Monitoring	
2017	URS	37950275		\$ 5,450.50	\$ 5,450.50	Annual Monitoring Report	
2017	URS	37950275		\$ 125.00	\$ 125.00	Project Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2017	URS	37962689	\$ 31,643.95			Monthly Status Report	
2017	URS	37962689		\$ 41.20	\$ 41.20	Regular O&M	
2017	URS	37962689		\$ 3,177.50	\$ 3,177.50	Site Background & Characterization	
2017	URS	37962689		\$ 8,433.50	\$ 8,433.50	VI Assessment	
2017	URS	37962689		\$ 10,315.00	\$ 10,315.00	GW Modeling Report	
2017	URS	37962689		\$ 905.00	\$ 905.00	Remedial Alt & Cost Est	
2017	URS	37962689		\$ 5,126.25	\$ 5,126.25	Address Agency Comt	
2017	URS	37962689		\$ 145.00	\$ 145.00	FS Report & Resp Sum	
2017	URS	37962689		\$ 2,515.50	\$ 2,515.50	Task Management	
2017	URS	37962689		\$ 315.00	\$ 315.00	Annual Monitoring	
2017	URS	37962689		\$ 545.00	\$ 545.00	Annual Monitoring Report	
2017	URS	37962689		\$ 125.00	\$ 125.00	Project Management	
2017	URS	37971794	\$ 17,889.96			Monthly Status Report	Invoice totals \$17,890.26
2017	URS	37971794		\$ 152.51	\$ 152.51	Regular O&M	
2017	URS	37971794		\$ 1,232.50	\$ 1,232.50	SVE Design & Permit	
2017	URS	37971794		\$ 1,210.00	\$ 1,210.00	Site Background & Characterization	
2017	URS	37971794		\$ 2,402.50	\$ 2,402.50	VI Assessment	
2017	URS	37971794		\$ 200.00	\$ 200.00	GW Modeling Report	
2017	URS	37971794		\$ 546.25	\$ 546.25	Remedial Alt & Cost Est	
2017	URS	37971794		\$ 5,622.00	\$ 5,622.00	Address Agency Comt	
2017	URS	37971794		\$ 972.50	\$ 972.50	FS Report & Resp Sum	
2017	URS	37971794		\$ 2,749.50	\$ 2,749.50	Task Management	
2017	URS	37971794		\$ 2,802.50	\$ 2,802.50	Annual Monitoring Report	
2017	URS	37988672	\$ 34,198.92			Monthly Status Report	
2017	URS	37988672		\$ 105.00	\$ 105.00	Regular O&M	
2017	URS	37988672		\$ 150.00	\$ 150.00	Site Background & Characterization	
2017	URS	37988672		\$ 4,285.00	\$ 4,285.00	VI Assessment	
2017	URS	37988672		\$ 460.00	\$ 460.00	Remedial Alt & Cost Est	
2017	URS	37988672		\$ 3,068.25	\$ 3,068.25	Address Agency Comt	
2017	URS	37988672		\$ 17,608.92	\$ 17,608.92	FS Report & Resp Sum	
2017	URS	37988672		\$ 3,291.00	\$ 3,291.00	Task Management	
2017	URS	37988672		\$ 315.00	\$ 315.00	Monitoring Well Maintenance	
2017	URS	37988672		\$ 105.00	\$ 105.00	Annual Monitoring	
2017	URS	37988672		\$ 4,556.00	\$ 4,556.00	Annual Monitoring Report	
2017	URS	37988672		\$ 250.00	\$ 250.00	Project Management	
2017	URS	37999230	\$ 11,771.73			Monthly Status Report	
2017	URS	37999230		\$ 626.09	\$ 626.09	Regular O&M	
2017	URS	37999230		\$ 2,220.00	\$ 2,220.00	SVE Design & Permit	
2017	URS	37999230		\$ 300.00	\$ 300.00	Site Background & Characterization	
2017	URS	37999230		\$ 1,185.00	\$ 1,185.00	Address Agency Comt	
2017	URS	37999230		\$ 2,530.14	\$ 2,530.14	FS Report & Resp Sum	
2017	URS	37999230		\$ 3,336.00	\$ 3,336.00	Task Management	
2017	URS	37999230		\$ 1,300.16	\$ 1,300.16	Biannual Monitoring	
2017	URS	37999230		\$ 149.34	\$ 149.34	Annual Monitoring Report	
2017	URS	37999230		\$ 125.00	\$ 125.00	Project Management	
2017	URS	2000003232	\$ 12,349.66			Monthly Status Report	
2017	URS	2000003232		\$ 142.66	\$ 142.66	Regular O&M	
2017	URS	2000003232		\$ 4,090.00	\$ 4,090.00	SVE Design & Permit	
2017	URS	2000003232		\$ 315.00	\$ 315.00	VI Assessment	
2017	URS	2000003232		\$ 4,226.00	\$ 4,226.00	Address Agency Comt	
2017	URS	2000003232		\$ 735.00	\$ 735.00	FS Report & Resp Sum	
2017	URS	2000003232		\$ 2,256.00	\$ 2,256.00	Task Management	
2017	URS	2000003232		\$ 40.00	\$ 40.00	Semi-Annual Monitor	
2017	URS	2000003232		\$ 420.00	\$ 420.00	Biannual Monitoring	
2017	URS	2000003232		\$ 125.00	\$ 125.00	Project Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2017	AECOM/URS	2000007592	\$ 7,620.00			Park-Euclid PRAP and Associated Activities	
2017	AECOM/URS	2000007592		\$ 963.00	\$ 963.00	DM Sys Update	
2017	AECOM/URS	2000007592		\$ 2,417.00	\$ 2,417.00	Semi-Annual Monitoring	
2017	AECOM/URS	2000007592		\$ 824.50	\$ 824.50	Biannual Monitoring	
2017	AECOM/URS	2000007592		\$ 107.50	\$ 107.50	CAB Meetings	
2017	AECOM/URS	2000007592		\$ 3,308.00	\$ 3,308.00	Project Management	
2018	URS	2000015198	\$ 4,011.31			Conversation	
2018	URS	2000015198		\$ 352.66	\$ 352.66	Regular O&M	
2018	URS	2000015198		\$ 2,285.00	\$ 2,285.00	SVE Design & Permit	
2018	URS	2000015198		\$ 0.65	\$ 0.65	FS Report	
2018	URS	2000015198		\$ 1,248.00	\$ 1,248.00	Task Management	
2018	URS	2000015198		\$ 125.00	\$ 125.00	Project Management	
2018	URS	2000015214	\$ 9,670.50			Park-Euclid PRAP and Associated Activities	
2018	URS	2000015214		\$ 3,800.00	\$ 3,800.00	DM Sys Update	
2018	URS	2000015214		\$ 756.00	\$ 756.00	Semi-Annual Monitoring	
2018	URS	2000015214		\$ 1,223.50	\$ 1,223.50	Biannual Monitoring	
2018	URS	2000015214		\$ 215.00	\$ 215.00	Cab Meetings	
2018	URS	2000015214		\$ 2,493.50	\$ 2,493.50	Project Management	
2018	URS	2000015214		\$ 322.50	\$ 322.50	MW Work Plan Prep	
2018	URS	2000015214		\$ 860.00	\$ 860.00	Task Management	
2018	AECOM	2000028061	\$ 42,044.53			Park-Euclid PRAP and Associated Activities	
2018	AECOM	2000028061		\$ 1,124.50	\$ 1,124.50	DM Sys Update	
2018	AECOM	2000028061		\$ 20.50	\$ 20.50	Semi-Annual Monitoring	
2018	AECOM	2000028061		\$ 7,682.78	\$ 7,682.78	Biannual Monitoring	
2018	AECOM	2000028061		\$ 2,790.50	\$ 2,790.50	CAB Meetings	
2018	AECOM	2000028061		\$ 2,920.50	\$ 2,920.50	Project Management	
2018	AECOM	2000028061		\$ 13,748.00	\$ 13,748.00	MW Work Plan Prep	
2018	AECOM	2000028061		\$ 1,276.50	\$ 1,276.50	Drill & Well Install	
2018	AECOM	2000028061		\$ 4,045.75	\$ 4,045.75	Task Management	
2018	AECOM	2000028061		\$ 645.00	\$ 645.00	GAC Disposal/Tank Rinsing	
2018	AECOM	2000028061		\$ 1,606.25	\$ 1,606.25	Sys Plan/Des/Permitting	
2018	AECOM	2000028061		\$ 481.50	\$ 481.50	SVE System O&M	
2018	AECOM	2000028061		\$ 48.75	\$ 48.75	Reporting	
2018	AECOM	2000028061		\$ 5,654.00	\$ 5,654.00	Task Management	
2018	AECOM	2000026266	\$ 37.66			Conversation	
2018	AECOM	2000026266		\$ 37.66	\$ 37.66	Regular O&M	
2018	AECOM	2000045182	\$ 52,669.61			Park-Euclid PRAP and Associated Activities	
2018	AECOM	2000045182		\$ 215.00	\$ 215.00	DM Sys Update	
2018	AECOM	2000045182		\$ 991.96	\$ 991.96	Biannual Monitoring	
2018	AECOM	2000045182		\$ 3,363.64	\$ 3,363.64	CAB Meetings	
2018	AECOM	2000045182		\$ 1,703.00	\$ 1,578.00	Project Management	Appropriate documentation/Invoice backup missing
2018	AECOM	2000045182		\$ 89.00	\$ 89.00	MW Work Plan Prep	
2018	AECOM	2000045182		\$ 20,330.07	\$ 20,330.07	Drill & Well Install	
2018	AECOM	2000045182		\$ 87.50	\$ 87.50	BL Monitoring & Reporting	
2018	AECOM	2000045182		\$ 6,063.50	\$ 6,063.50	Task Management	
2018	AECOM	2000045182		\$ 2,893.50	\$ 2,893.50	GAC Disposal/Tank Rinsing	
2018	AECOM	2000045182		\$ 8,775.75	\$ 8,775.75	Sys Plan/Des/Permitting	
2018	AECOM	2000045182		\$ 916.19	\$ 916.19	SVE System O&M	
2018	AECOM	2000045182		\$ 7,240.50	\$ 7,240.50	Task Management	
2018	AECOM	2000055236	\$ 87,165.03			Park-Euclid PRAP and Associated Activities	
2018	AECOM	2000055236		\$ 430.00	\$ 430.00	DM Sys Update	
2018	AECOM	2000055236		\$ 2,281.13	\$ 2,281.13	Biannual Monitoring	
2018	AECOM	2000055236		\$ 1,130.75	\$ 1,130.75	Project Management	
2018	AECOM	2000055236		\$ 125.00	\$ 125.00	MW Work Plan Prep	
2018	AECOM	2000055236		\$ 49,381.86	\$ 49,381.86	Drill & Well Install	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2018	AECOM	2000055236		\$ 1,636.00	\$ 1,636.00	Well Install Report	
2018	AECOM	2000055236		\$ 3,330.00	\$ 3,330.00	Task Management	
2018	AECOM	2000055236		\$ 2,662.25	\$ 2,662.25	GAC Disposal/Tank Rinsing	
2018	AECOM	2000055236		\$ 6,703.75	\$ 6,703.75	Sys Plan/Des/Permitting	
2018	AECOM	2000055236		\$ 288.60	\$ 288.60	Equip Procurement and Install	
2018	AECOM	2000055236		\$ 467.69	\$ 467.69	SVE System O&M	
2018	AECOM	2000055236		\$ 4,588.00	\$ 4,588.00	Task Management	
2018	AECOM	2000055236		\$ 11,003.50	\$ 11,003.50	MW Work Plan Prep	
2018	AECOM	2000055236		\$ 320.50	\$ 320.50	Drill & Well Install	
2018	AECOM	2000055236		\$ 2,816.00	\$ 2,816.00	Task Management	
2018	AECOM	2000070831	\$ 186,455.81			Park-Euclid PRAP and Associated Activities	Invoice totals \$186,455.31
2018	AECOM	2000070831		\$ 145.00	\$ 145.00	DM Sys Update	
2018	AECOM	2000070831		\$ 18,759.87	\$ 18,759.87	Biannual Monitoring	
2018	AECOM	2000070831		\$ 2,361.75	\$ 2,361.75	Project Management	
2018	AECOM	2000070831		\$ 87.50	\$ 87.50	MW Work Plan Prep	
2018	AECOM	2000070831		\$ 123,059.42	\$ 123,059.42	Drill & Well Install	
2018	AECOM	2000070831		\$ 4,649.25	\$ 4,649.25	Well Install Report	
2018	AECOM	2000070831		\$ 215.00	\$ 215.00	BL Monitoring & Reporting	
2018	AECOM	2000070831		\$ 4,137.25	\$ 4,137.25	Task Management	
2018	AECOM	2000070831		\$ 308.24	\$ 308.24	GAC Disposal/Tank Rinsing	
2018	AECOM	2000070831		\$ 1,229.50	\$ 1,229.50	Sys Plan/Des/Permitting	
2018	AECOM	2000070831		\$ 2,378.42	\$ 2,378.42	SVE System O&M	
2018	AECOM	2000070831		\$ 5,418.11	\$ 5,418.11	Non-Routine Sys O&M	
2018	AECOM	2000070831		\$ 2,265.00	\$ 2,265.00	Task Management	
2018	AECOM	2000070831		\$ 6,006.50	\$ 6,006.50	MW Work Plan Prep	
2018	AECOM	2000070831		\$ 10,405.00	\$ 10,405.00	Drill & Well Install	
2018	AECOM	2000070831		\$ 5,029.50	\$ 5,029.50	Task Management	
2018	AECOM	2000079939	\$ 105,068.41			Park-Euclid PRAP and Associated Activities	
2018	AECOM	2000079939		\$ 1,571.49	\$ 1,571.49	Biannual Monitoring	
2018	AECOM	2000079939		\$ 1,612.50	\$ 1,612.50	Annual Monitoring Report	
2018	AECOM	2000079939		\$ 1,756.81	\$ 1,756.81	Project Management	
2018	AECOM	2000079939		\$ 1,162.02	\$ 1,162.02	Drill & Well Install	
2018	AECOM	2000079939		\$ 506.00	\$ 506.00	Well Install Report	
2018	AECOM	2000079939		\$ 2,861.00	\$ 2,861.00	Task Management	
2018	AECOM	2000079939		\$ 30,660.05	\$ 30,660.05	GAC Disposal/Tank Rinsing	
2018	AECOM	2000079939		\$ 2,275.50	\$ 2,275.50	Sys Plan/Des/Permitting	
2018	AECOM	2000079939		\$ 39.99	\$ 39.99	SVE System O&M	
2018	AECOM	2000079939		\$ 1,567.27	\$ 1,567.27	Non-Routine Sys O&M	
2018	AECOM	2000079939		\$ 4,117.25	\$ 4,117.25	Task Management	
2018	AECOM	2000079939		\$ 548.00	\$ 548.00	MW Work Plan Prep	
2018	AECOM	2000079939		\$ 50,155.53	\$ 50,155.53	Drill & Well Install	
2018	AECOM	2000079939		\$ 215.00	\$ 215.00	Well Install Report	
2018	AECOM	2000079939		\$ 6,020.00	\$ 6,020.00	Task Management	
2018	AECOM	2000093323	\$ 58,148.39			Park-Euclid PRAP and Associated Activities	
2018	AECOM	2000093323		\$ 11,636.90	\$ 11,636.90	Biannual Monitoring	
2018	AECOM	2000093323		\$ 322.50	\$ 322.50	Annual Monitoring Report	
2018	AECOM	2000093323		\$ 549.26	\$ 549.26	Project Management	
2018	AECOM	2000093323		\$ 555.82	\$ 555.82	Drill & Well Install	
2018	AECOM	2000093323		\$ 322.50	\$ 322.50	Well Install Report	
2018	AECOM	2000093323		\$ 2,705.00	\$ 2,705.00	Task Management	
2018	AECOM	2000093323		\$ 682.50	\$ 682.50	GAC Disposal/Tank Rinsing	
2018	AECOM	2000093323		\$ 951.00	\$ 951.00	Sys Plan/Des/Permitting	
2018	AECOM	2000093323		\$ 201.99	\$ 201.99	SVE System O&M	
2018	AECOM	2000093323		\$ 322.50	\$ 322.50	Non-Routine Sys O&M	
2018	AECOM	2000093323		\$ 1,748.25	\$ 1,748.25	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2018	AECOM	2000093323		\$ 32,069.92	\$ 32,069.92	Drill & Well Install	
2018	AECOM	2000093323		\$ 998.25	\$ 998.25	Well Install Report	
2018	AECOM	2000093323		\$ 1,926.50	\$ 1,926.50	Data Interpretation	
2018	AECOM	2000093323		\$ 3,155.50	\$ 3,155.50	Task Management	
2018	AECOM	2000109685	\$ 180,577.50			Park-Euclid PRAP and Associated Activities	
2018	AECOM	2000109685		\$ 215.00	\$ 215.00	DM Sys Update	
2018	AECOM	2000109685		\$ 495.00	\$ 495.00	Semi-Annual Monitoring	
2018	AECOM	2000109685		\$ 615.00	\$ 615.00	Biannual Monitoring	
2018	AECOM	2000109685		\$ 430.00	\$ 430.00	Annual Monitoring Report	
2018	AECOM	2000109685		\$ 1,155.25	\$ 1,155.25	Project Management	
2018	AECOM	2000109685		\$ 3,362.54	\$ 3,362.54	Drill & Well Install	
2018	AECOM	2000109685		\$ 3,378.00	\$ 3,378.00	Well Install Report	
2018	AECOM	2000109685		\$ 3,083.00	\$ 3,083.00	Task Management	
2018	AECOM	2000109685		\$ 215.00	\$ 215.00	GAC Disposal/Tank Rinsing	
2018	AECOM	2000109685		\$ 2,675.75	\$ 2,675.75	Sys Plan/Des/Permitting	
2018	AECOM	2000109685		\$ 39.99	\$ 39.99	SVE System O&M	
2018	AECOM	2000109685		\$ 2,423.69	\$ 2,423.69	Non-Routine Sys O&M	
2018	AECOM	2000109685		\$ 1,956.25	\$ 1,956.25	Task Management	
2018	AECOM	2000109685		\$ 143,188.28	\$ 143,188.28	Drill & Well Install	
2018	AECOM	2000109685		\$ 10,176.00	\$ 10,176.00	Well Install Report	
2018	AECOM	2000109685		\$ 51.50	\$ 51.50	BL Monitoring & Reporting	
2018	AECOM	2000109685		\$ 3,569.75	\$ 3,569.75	Data Interpretation	
2018	AECOM	2000109685		\$ 3,547.50	\$ 3,547.50	Task Management	
2018	AECOM	2000122177	\$ 169,437.99			Park-Euclid PRAP and Associated Activities	
2018	AECOM	2000122177		\$ 5,124.55	\$ 5,124.55	Biannual Monitoring	
2018	AECOM	2000122177		\$ 860.00	\$ 860.00	Annual Monitoring Report	
2018	AECOM	2000122177		\$ 2,729.50	\$ 2,729.50	Project Management	
2018	AECOM	2000122177		\$ 554.40	\$ 554.40	Drill & Well Install	
2018	AECOM	2000122177		\$ 714.50	\$ 714.50	Well Install Report	
2018	AECOM	2000122177		\$ 1,169.00	\$ 1,169.00	BL Monitoring & Reporting	
2018	AECOM	2000122177		\$ 3,221.75	\$ 3,221.75	Task Management	
2018	AECOM	2000122177		\$ 2,268.75	\$ 2,268.75	GAC Disposal/Tank Rinsing	
2018	AECOM	2000122177		\$ 6,352.50	\$ 6,352.50	Sys Plan/Des/Permitting	
2018	AECOM	2000122177		\$ 39.99	\$ 39.99	SVE System O&M	
2018	AECOM	2000122177		\$ 268.75	\$ 268.75	Non-Routine Sys O&M	
2018	AECOM	2000122177		\$ 3,392.00	\$ 3,392.00	Task Management	
2018	AECOM	2000122177		\$ 121,370.94	\$ 120,881.94	Drill & Well Install	Appropriate documentation/Invoice backup missing
2018	AECOM	2000122177		\$ 7,599.00	\$ 7,599.00	Well Install Report	
2018	AECOM	2000122177		\$ 3,292.36	\$ 3,292.36	BL Monitoring & Reporting	
2018	AECOM	2000122177		\$ 4,355.00	\$ 4,355.00	Data Interpretation	
2018	AECOM	2000122177		\$ 6,125.00	\$ 6,125.00	Task Management	
2018	AECOM	2000132828	\$ 46,346.94			Park-Euclid PRAP and Associated Activities	
2018	AECOM	2000132828		\$ 588.40	\$ 588.40	Biannual Monitoring	
2018	AECOM	2000132828		\$ 891.50	\$ 891.50	Project Management	
2018	AECOM	2000132828		\$ (159.23)	\$ (159.23)	Drill & Well Install	
2018	AECOM	2000132828		\$ 215.00	\$ 215.00	Well Install Report	
2018	AECOM	2000132828		\$ 1,647.25	\$ 1,647.25	Task Management	
2018	AECOM	2000132828		\$ 7,224.23	\$ 7,224.23	GAC Disposal/Tank Rinsing	
2018	AECOM	2000132828		\$ 4,772.50	\$ 4,772.50	Sys Plan/Des/Permitting	
2018	AECOM	2000132828		\$ 1,591.50	\$ 1,591.50	Task Management	
2018	AECOM	2000132828		\$ 17,074.50	\$ 17,074.50	Drill & Well Install	
2018	AECOM	2000132828		\$ 606.25	\$ 606.25	Well Install Report	
2018	AECOM	2000132828		\$ 280.54	\$ 280.54	BL Monitoring & Reporting	
2018	AECOM	2000132828		\$ 7,735.75	\$ 7,735.75	Data Interpretation	
2018	AECOM	2000132828		\$ 3,878.75	\$ 3,878.75	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2018	AECOM	2000147911	\$ 94,323.36			Park-Euclid PRAP and Associated Activities	
2018	AECOM	2000147911		\$ 835.00	\$ 835.00	Semi-Annual Monitoring	
2018	AECOM	2000147911		\$ 2,044.50	\$ 2,044.50	Biannual Monitoring	
2018	AECOM	2000147911		\$ 322.50	\$ 322.50	Annual Monitoring Report	
2018	AECOM	2000147911		\$ 808.25	\$ 808.25	Project Management	
2018	AECOM	2000147911		\$ 6,904.88	\$ 6,904.88	Drill & Well Install	
2018	AECOM	2000147911		\$ 2,403.25	\$ 2,403.25	Task Management	
2018	AECOM	2000147911		\$ 183.90	\$ 183.90	SVE System O&M	
2018	AECOM	2000147911		\$ 369.00	\$ 369.00	Non-Routine Sys O&M	
2018	AECOM	2000147911		\$ 3,013.25	\$ 3,013.25	Task Management	
2018	AECOM	2000147911		\$ 67,229.83	\$ 67,229.83	Drill & Well Install	
2018	AECOM	2000147911		\$ 904.50	\$ 904.50	Well Install Report	
2018	AECOM	2000147911		\$ 2,309.50	\$ 2,309.50	BL Monitoring & Reporting	
2018	AECOM	2000147911		\$ 2,382.50	\$ 2,382.50	Data Interpretation	
2018	AECOM	2000147911		\$ 4,390.50	\$ 4,390.50	Task Management	
2018	AECOM	2000147911		\$ 222.00	\$ 222.00	Task Management	
2018	AECOM	2000164345	\$ 41,376.03			Park-Euclid PRAP and Associated Activities	
2018	AECOM	2000164345		\$ 449.80	\$ 449.80	Semi-Annual Monitoring	
2018	AECOM	2000164345		\$ 2,488.00	\$ 2,488.00	Biannual Monitoring	
2018	AECOM	2000164345		\$ 7,503.50	\$ 7,503.50	Annual Monitoring Report	
2018	AECOM	2000164345		\$ 652.25	\$ 652.25	Project Management	
2018	AECOM	2000164345		\$ 714.50	\$ 714.50	Task Management	
2018	AECOM	2000164345		\$ 1,395.50	\$ 1,395.50	Sys Plan/Des/Permitting	
2018	AECOM	2000164345		\$ 37.73	\$ 37.73	SVE System O&M	
2018	AECOM	2000164345		\$ 553.08	\$ 553.08	Non-Routine Sys O&M	
2018	AECOM	2000164345		\$ 1,343.75	\$ 1,343.75	Task Management	
2018	AECOM	2000164345		\$ 5,339.78	\$ 5,339.78	Drill & Well Install	
2018	AECOM	2000164345		\$ 3,077.70	\$ 3,077.70	Well Install Report	
2018	AECOM	2000164345		\$ 2,347.69	\$ 2,347.69	BL Monitoring & Reporting	
2018	AECOM	2000164345		\$ 7,650.00	\$ 7,650.00	Data Interpretation	
2018	AECOM	2000164345		\$ 4,998.75	\$ 4,998.75	Task Management	
2018	AECOM	2000164345		\$ 996.50	\$ 996.50	PRAP Development	
2018	AECOM	2000164345		\$ 1,612.50	\$ 1,612.50	Meetings	
2018	AECOM	2000164345		\$ 215.00	\$ 215.00	Task Management	
2019	AECOM	2000170747	\$ 27,010.86			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000170747		\$ 5,999.80	\$ 5,999.80	Biannual Monitoring	
2019	AECOM	2000170747		\$ 2,441.58	\$ 2,441.58	Annual Monitoring	
2019	AECOM	2000170747		\$ 6,105.50	\$ 6,105.50	Annual Monitoring Report	
2019	AECOM	2000170747		\$ 458.00	\$ 458.00	Project Management	
2019	AECOM	2000170747		\$ 333.00	\$ 333.00	Task Management	
2019	AECOM	2000170747		\$ 2,600.00	\$ 2,600.00	Sys Plan/Des/Permitting	
2019	AECOM	2000170747		\$ 37.73	\$ 37.73	SVE System O&M	
2019	AECOM	2000170747		\$ 1,360.00	\$ 1,360.00	Task Management	
2019	AECOM	2000170747		\$ 3,869.00	\$ 3,869.00	Drill & Well Install	
2019	AECOM	2000170747		\$ 700.00	\$ 700.00	Data Interpretation	
2019	AECOM	2000170747		\$ 1,075.00	\$ 1,075.00	Task Management	
2019	AECOM	2000170747		\$ 1,171.25	\$ 1,171.25	PRAP Development	
2019	AECOM	2000170747		\$ 860.00	\$ 860.00	Task Management	
2019	AECOM	2000180604	\$ 55,045.18			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000180604		\$ 341.06	\$ 341.06	Biannual Monitoring	
2019	AECOM	2000180604		\$ 930.00	\$ 930.00	Annual Monitoring	
2019	AECOM	2000180604		\$ 5,365.75	\$ 5,365.75	Annual Monitoring Report	
2019	AECOM	2000180604		\$ 1,023.25	\$ 1,023.25	Project Management	
2019	AECOM	2000180604		\$ 537.50	\$ 537.50	Well Install Report	
2019	AECOM	2000180604		\$ 333.00	\$ 333.00	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2019	AECOM	2000180604		\$ 486.50	\$ 486.50	Sys Plan/Des/Permitting	
2019	AECOM	2000180604		\$ 369.00	\$ 369.00	Equip Procurement and Install	
2019	AECOM	2000180604		\$ 37.73	\$ 37.73	SVE System O&M	
2019	AECOM	2000180604		\$ 140.38	\$ 140.38	Non-Routine Sys O&M	
2019	AECOM	2000180604		\$ 2,196.25	\$ 2,196.25	Task Management	
2019	AECOM	2000180604		\$ 32,776.26	\$ 32,776.26	Drill & Well Install	
2019	AECOM	2000180604		\$ 291.00	\$ 291.00	Well Install Report	
2019	AECOM	2000180604		\$ 3,282.50	\$ 3,282.50	Data Interpretation	
2019	AECOM	2000180604		\$ 1,505.00	\$ 1,505.00	Task Management	
2019	AECOM	2000180604		\$ 3,837.50	\$ 3,837.50	PRAP Development	
2019	AECOM	2000180604		\$ 537.50	\$ 537.50	Meetings	
2019	AECOM	2000180604		\$ 1,055.00	\$ 1,055.00	Task Management	
2019	AECOM	2000196699	\$ 121,584.82			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000196699		\$ 656.00	\$ 656.00	Semi-Annual Monitoring	
2019	AECOM	2000196699		\$ 783.50	\$ 783.50	Annual Monitoring	
2019	AECOM	2000196699		\$ 1,720.00	\$ 1,720.00	Annual Monitoring Report	
2019	AECOM	2000196699		\$ 215.00	\$ 215.00	CAB Meetings	
2019	AECOM	2000196699		\$ 447.50	\$ 447.50	Project Management	
2019	AECOM	2000196699		\$ 3,321.00	\$ 3,321.00	Drill & Well Install	
2019	AECOM	2000196699		\$ 2,195.50	\$ 2,195.50	Well Install Report	
2019	AECOM	2000196699		\$ 1,904.50	\$ 1,904.50	BL Monitoring & Reporting	
2019	AECOM	2000196699		\$ 397.50	\$ 397.50	Sys Plan/Des/Permitting	
2019	AECOM	2000196699		\$ 70,107.50	\$ 70,107.50	Equip Procurement and Install	
2019	AECOM	2000196699		\$ 588.50	\$ 588.50	SVE/CatOxSys Startup	
2019	AECOM	2000196699		\$ 59.98	\$ 59.98	SVE System O&M	
2019	AECOM	2000196699		\$ 9,525.00	\$ 9,525.00	Task Management	
2019	AECOM	2000196699		\$ 3,520.84	\$ 3,520.84	Drill & Well Install	
2019	AECOM	2000196699		\$ 1,400.00	\$ 1,400.00	Well Install Report	
2019	AECOM	2000196699		\$ 1,092.00	\$ 1,092.00	BL Monitoring & Reporting	
2019	AECOM	2000196699		\$ 2,919.25	\$ 2,919.25	Data Interpretation	
2019	AECOM	2000196699		\$ 4,334.75	\$ 4,334.75	Task Management	
2019	AECOM	2000196699		\$ 4,981.75	\$ 4,981.75	PRAP Development	
2019	AECOM	2000196699		\$ 9,741.50	\$ 9,741.50	Intermediate Design	
2019	AECOM	2000196699		\$ 1,673.25	\$ 1,673.25	Task Management	
2019	AECOM	2000208091	\$ 62,707.59			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000208091		\$ 80.00	\$ 80.00	Semi-Annual Monitoring	
2019	AECOM	2000208091		\$ 14,142.75	\$ 14,142.75	Annual Monitoring	
2019	AECOM	2000208091		\$ 7,135.50	\$ 7,135.50	Annual Monitoring Report	
2019	AECOM	2000208091		\$ 107.50	\$ 107.50	CAB Meetings	
2019	AECOM	2000208091		\$ 2,227.50	\$ 2,227.50	Project Management	
2019	AECOM	2000208091		\$ 1,050.00	\$ 1,050.00	Well Install Report	
2019	AECOM	2000208091		\$ 720.00	\$ 720.00	Sys Plan/Des/Permitting	
2019	AECOM	2000208091		\$ 7,803.87	\$ 7,803.87	Equip Procurement and Install	
2019	AECOM	2000208091		\$ 1,400.12	\$ 1,400.12	SVE/CatOxSys Startup	
2019	AECOM	2000208091		\$ 573.35	\$ 573.35	SVE System O&M	
2019	AECOM	2000208091		\$ 3,813.00	\$ 3,813.00	Task Management	
2019	AECOM	2000208091		\$ 3,998.50	\$ 3,998.50	Drill & Well Install	
2019	AECOM	2000208091		\$ 1,157.50	\$ 1,157.50	Well Install Report	
2019	AECOM	2000208091		\$ 246.00	\$ 246.00	BL Monitoring & Reporting	
2019	AECOM	2000208091		\$ 5,151.50	\$ 5,151.50	Task Management	
2019	AECOM	2000208091		\$ 3,200.00	\$ 3,200.00	PRAP Development	
2019	AECOM	2000208091		\$ 8,681.50	\$ 8,681.50	Intermediate Design	
2019	AECOM	2000208091		\$ 215.00	\$ 215.00	Meetings	
2019	AECOM	2000208091		\$ 1,004.00	\$ 1,004.00	Task Management	
2019	AECOM	2000221401	\$ 67,159.14			Park-Euclid PRAP and Associated Activities	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2019	AECOM	2000221401		\$ 1,839.75	\$ 1,839.75	Biannual Monitoring	
2019	AECOM	2000221401		\$ 13,134.28	\$ 13,134.28	Annual Monitoring	
2019	AECOM	2000221401		\$ 1,274.47	\$ 1,274.47	Annual Monitoring Report	
2019	AECOM	2000221401		\$ 3,460.50	\$ 3,460.50	CAB Meetings	
2019	AECOM	2000221401		\$ 877.50	\$ 877.50	Project Management	
2019	AECOM	2000221401		\$ 1,575.00	\$ 1,575.00	Well Install Report	
2019	AECOM	2000221401		\$ 40.00	\$ 40.00	BL Monitoring & Reporting	
2019	AECOM	2000221401		\$ 72.50	\$ 72.50	Sys Plan/Des/Permitting	
2019	AECOM	2000221401		\$ 73.54	\$ 73.54	Equip Procurement and Install	
2019	AECOM	2000221401		\$ 2,777.30	\$ 2,777.30	SVE/CatOxSys Startup	
2019	AECOM	2000221401		\$ 1,493.30	\$ 1,493.30	SVE System O&M	
2019	AECOM	2000221401		\$ 1,512.00	\$ 1,512.00	Task Management	
2019	AECOM	2000221401		\$ 25,748.25	\$ 25,748.25	Drill & Well Install	
2019	AECOM	2000221401		\$ 2,677.00	\$ 2,677.00	Task Management	
2019	AECOM	2000221401		\$ 1,073.75	\$ 1,073.75	PRAP Development	
2019	AECOM	2000221401		\$ 3,087.75	\$ 3,087.75	Intermediate Design	
2019	AECOM	2000221401		\$ 5,145.25	\$ 5,145.25	Meetings	
2019	AECOM	2000221401		\$ 1,297.00	\$ 1,297.00	Task Management	
2019	AECOM	2000237961	\$ 174,582.54			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000237961		\$ 1,364.40	\$ 1,364.40	Semi-Annual Monitoring	
2019	AECOM	2000237961		\$ 22,064.98	\$ 22,064.98	Annual Monitoring	
2019	AECOM	2000237961		\$ 254.95	\$ 254.95	CAB Meetings	
2019	AECOM	2000237961		\$ 1,445.00	\$ 1,445.00	Project Management	
2019	AECOM	2000237961		\$ 592.50	\$ 592.50	Sys Plan/Des/Permitting	
2019	AECOM	2000237961		\$ 34,798.50	\$ 34,798.50	Equip Procurement and Install	
2019	AECOM	2000237961		\$ 2,710.06	\$ 2,710.06	SVE/CatOxSys Startup	
2019	AECOM	2000237961		\$ 6,052.32	\$ 6,052.32	SVE System O&M	
2019	AECOM	2000237961		\$ 330.00	\$ 330.00	Non-Routine Sys O&M	
2019	AECOM	2000237961		\$ 4,191.25	\$ 4,191.25	Reporting	
2019	AECOM	2000237961		\$ 2,867.50	\$ 2,867.50	Task Management	
2019	AECOM	2000237961		\$ 80,900.81	\$ 80,900.81	Drill & Well Install	
2019	AECOM	2000237961		\$ 1,100.00	\$ 1,100.00	Well Install Report	
2019	AECOM	2000237961		\$ 220.00	\$ 220.00	BL Monitoring & Reporting	
2019	AECOM	2000237961		\$ 3,726.25	\$ 3,726.25	Task Management	
2019	AECOM	2000237961		\$ 2,805.00	\$ 2,805.00	PRAP Development	
2019	AECOM	2000237961		\$ 6,347.50	\$ 6,347.50	Intermediate Design	
2019	AECOM	2000237961		\$ 515.27	\$ 515.27	Meetings	
2019	AECOM	2000237961		\$ 2,296.25	\$ 2,296.25	Task Management	
2019	AECOM	2000250218	\$ 22,680.40			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000250218		\$ 220.00	\$ 220.00	Annual Monitoring	
2019	AECOM	2000250218		\$ 125.00	\$ 125.00	Project Management	
2019	AECOM	2000250218		\$ 220.00	\$ 220.00	Drill & Well Install	
2019	AECOM	2000250218		\$ 2,110.00	\$ 2,110.00	Well Install Report	
2019	AECOM	2000250218		\$ 150.00	\$ 150.00	Sys Plan/Des/Permitting	
2019	AECOM	2000250218		\$ 110.00	\$ 110.00	Equip Procurement and Install	
2019	AECOM	2000250218		\$ 1,033.97	\$ 1,033.97	SVE/CatOxSys Startup	
2019	AECOM	2000250218		\$ 2,069.60	\$ 2,069.60	SVE System O&M	
2019	AECOM	2000250218		\$ 1,765.00	\$ 1,765.00	Reporting	
2019	AECOM	2000250218		\$ 507.50	\$ 507.50	Task Management	
2019	AECOM	2000250218		\$ 780.00	\$ 780.00	MW Work Plan Prep	
2019	AECOM	2000250218		\$ 3,064.33	\$ 3,064.33	Drill & Well Install	
2019	AECOM	2000250218		\$ 1,282.50	\$ 1,282.50	Well Install Report	
2019	AECOM	2000250218		\$ 307.50	\$ 307.50	BL Monitoring & Reporting	
2019	AECOM	2000250218		\$ 2,927.50	\$ 2,927.50	Task Management	
2019	AECOM	2000250218		\$ 1,215.00	\$ 1,215.00	PRAP Development	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2019	AECOM	2000250218		\$ 4,533.75	\$ 4,533.75	Intermediate Design	
2019	AECOM	2000250218		\$ 258.75	\$ 258.75	Task Management	
2019	AECOM	2000262455	\$ 52,557.82			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000262455		\$ 3,585.03	\$ 3,585.03	Annual Monitoring	
2019	AECOM	2000262455		\$ 2,037.50	\$ 2,037.50	Annual Monitoring Report	
2019	AECOM	2000262455		\$ 1,490.00	\$ 1,490.00	Project Management	
2019	AECOM	2000262455		\$ 880.00	\$ 880.00	Drill & Well Install	
2019	AECOM	2000262455		\$ 810.00	\$ 810.00	Well Install Report	
2019	AECOM	2000262455		\$ 1,530.00	\$ 1,530.00	Sys Plan/Des/Permitting	
2019	AECOM	2000262455		\$ 330.00	\$ 330.00	SVE/CatOxSys Startup	
2019	AECOM	2000262455		\$ 5,852.77	\$ 5,852.77	SVE System O&M	
2019	AECOM	2000262455		\$ 1,068.45	\$ 1,068.45	Non-Routine Sys O&M	
2019	AECOM	2000262455		\$ 2,200.00	\$ 2,200.00	Reporting	
2019	AECOM	2000262455		\$ 3,893.75	\$ 3,893.75	Task Management	
2019	AECOM	2000262455		\$ (780.00)	\$ (780.00)	MW Work Plan Prep	
2019	AECOM	2000262455		\$ 9,941.82	\$ 9,941.82	Drill & Well Install	
2019	AECOM	2000262455		\$ 1,270.00	\$ 1,270.00	Well Install Report	
2019	AECOM	2000262455		\$ 240.00	\$ 240.00	BL Monitoring & Reporting	
2019	AECOM	2000262455		\$ 6,601.25	\$ 6,601.25	Task Management	
2019	AECOM	2000262455		\$ 7,418.50	\$ 7,418.50	PRAP Development	
2019	AECOM	2000262455		\$ 3,566.25	\$ 3,566.25	Intermediate Design	
2019	AECOM	2000262455		\$ 622.50	\$ 622.50	Task Management	
2019	AECOM	2000270072	\$ 38,385.15			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000270072		\$ 1,905.00	\$ 1,905.00	Annual Monitoring	
2019	AECOM	2000270072		\$ 542.50	\$ 542.50	Annual Monitoring Report	
2019	AECOM	2000270072		\$ 440.00	\$ 440.00	CAB Meetings	
2019	AECOM	2000270072		\$ 45.00	\$ 45.00	Project Management	
2019	AECOM	2000270072		\$ 120.00	\$ 120.00	Drill & Well Install	
2019	AECOM	2000270072		\$ 360.00	\$ 360.00	Well Install Report	
2019	AECOM	2000270072		\$ 2,475.00	\$ 2,475.00	Sys Plan/Des/Permitting	
2019	AECOM	2000270072		\$ 6,283.09	\$ 6,283.09	SVE System O&M	
2019	AECOM	2000270072		\$ 660.00	\$ 660.00	Non-Routine Sys O&M	
2019	AECOM	2000270072		\$ 1,105.00	\$ 1,105.00	Reporting	
2019	AECOM	2000270072		\$ 970.00	\$ 970.00	Task Management	
2019	AECOM	2000270072		\$ 980.56	\$ 980.56	Drill & Well Install	
2019	AECOM	2000270072		\$ 1,643.75	\$ 1,643.75	Data Interpretation	
2019	AECOM	2000270072		\$ 2,430.00	\$ 2,430.00	Task Management	
2019	AECOM	2000270072		\$ 4,231.50	\$ -	PRAP Development	\$30,930.75 - PRAP development costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2762+2780+2802+2821+2840+2860+2880+2900+2918
2019	AECOM	2000270072		\$ 11,753.75	\$ 11,753.75	Intermediate Design	
2019	AECOM	2000270072		\$ 780.00	\$ 780.00	Remedy Cost Estimate	
2019	AECOM	2000270072		\$ 1,660.00	\$ 1,660.00	Task Management	
2019	AECOM	2000281582	\$ 42,622.44			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000281582		\$ 1,512.50	\$ 1,512.50	Annual Monitoring	
2019	AECOM	2000281582		\$ 1,290.00	\$ 1,290.00	Annual Monitoring Report	
2019	AECOM	2000281582		\$ 3,892.50	\$ 3,892.50	Project Management	
2019	AECOM	2000281582		\$ 480.00	\$ 480.00	Drill & Well Install	
2019	AECOM	2000281582		\$ 540.00	\$ 540.00	Well Install Report	
2019	AECOM	2000281582		\$ 425.00	\$ 425.00	Equip Procurement and Install	
2019	AECOM	2000281582		\$ 4,154.33	\$ 4,154.33	SVE System O&M	
2019	AECOM	2000281582		\$ 940.00	\$ 940.00	Perf Monitoring	
2019	AECOM	2000281582		\$ 2,445.00	\$ 2,445.00	Reporting	
2019	AECOM	2000281582		\$ 4,641.25	\$ 4,641.25	Task Management	
2019	AECOM	2000281582		\$ 1,475.36	\$ 1,475.36	Drill & Well Install	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2019	AECOM	2000281582		\$ 382.50	\$ 382.50	Data Interpretation	
2019	AECOM	2000281582		\$ 3,833.75	\$ 3,833.75	Task Management	
2019	AECOM	2000281582		\$ 2,745.25	\$ -	PRAP Development	\$33,670.00 - PRAP development costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2762+2780+2802+2821+2840+2860+2880+2900+2918+2936
2019	AECOM	2000281582		\$ 5,530.00	\$ 5,530.00	Intermediate Design	
2019	AECOM	2000281582		\$ 7,120.00	\$ 7,120.00	Remedy Cost Estimate	
2019	AECOM	2000281582		\$ 1,215.00	\$ 1,215.00	Task Management	
2019	AECOM	2000301244	\$ 53,091.19			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000301244		\$ (1,400.51)	\$ (1,400.51)	Annual Monitoring	
2019	AECOM	2000301244		\$ 1,126.25	\$ 1,126.25	Annual Monitoring Report	
2019	AECOM	2000301244		\$ 170.00	\$ 170.00	Project Management	
2019	AECOM	2000301244		\$ 5,439.35	\$ 5,439.35	Semi-Annual Monitoring	
2019	AECOM	2000301244		\$ 2,472.50	\$ 2,472.50	Project Management	
2019	AECOM	2000301244		\$ 1,980.00	\$ 1,980.00	Well Install Report	
2019	AECOM	2000301244		\$ 4,361.50	\$ 4,361.50	Equip Procurement and Install	
2019	AECOM	2000301244		\$ 3,748.38	\$ 3,748.38	SVE System O&M	
2019	AECOM	2000301244		\$ 1,107.93	\$ 1,107.93	Non-Routine Sys O&M	
2019	AECOM	2000301244		\$ 4,669.81	\$ 4,669.81	Perf Monitoring	
2019	AECOM	2000301244		\$ 652.23	\$ 652.23	Reporting	
2019	AECOM	2000301244		\$ 2,408.75	\$ 2,408.75	Task Management	
2019	AECOM	2000301244		\$ 240.00	\$ 240.00	Drill & Well Install	
2019	AECOM	2000301244		\$ 4,455.00	\$ 4,455.00	Well Install Report	
2019	AECOM	2000301244		\$ 2,243.75	\$ 2,243.75	Task Management	
2019	AECOM	2000301244		\$ 347.50	\$ -	PRAP Development	\$34,023.50 - PRAP development costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2762+2780+2802+2821+2840+2860+2880+2900+2918+2936+2956
2019	AECOM	2000301244		\$ 1,980.00	\$ 1,980.00	Intermediate Design	
2019	AECOM	2000301244		\$ 4,802.50	\$ -	Remedy Cost Estimate	\$12,702.50 - Part of PRAP - Remedy cost estimate does not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2920+2938+2958
2019	AECOM	2000301244		\$ 10,262.50	\$ 10,262.50	Meetings	
2019	AECOM	2000301244		\$ 2,023.75	\$ 2,023.75	Task Management	
2019	AECOM	2000305915	\$ 36,672.19			Park-Euclid PRAP and Associated Activities	
2019	AECOM	2000305915		\$ 8,125.00	\$ 8,125.00	Annual Monitoring Report	
2019	AECOM	2000305915		\$ 1,568.75	\$ 1,568.75	Project Management	
2019	AECOM	2000305915		\$ 408.85	\$ 408.85	Semi-Annual Monitoring	
2019	AECOM	2000305915		\$ 1,210.00	\$ 1,210.00	Project Management	
2019	AECOM	2000305915		\$ 2,640.00	\$ 2,640.00	BL Monitoring & Reporting	
2019	AECOM	2000305915		\$ 2,421.66	\$ 2,421.66	SVE System O&M	
2019	AECOM	2000305915		\$ 4,457.50	\$ 4,457.50	Non-Routine Sys O&M	
2019	AECOM	2000305915		\$ 2,758.31	\$ 2,758.31	Perf Monitoring	
2019	AECOM	2000305915		\$ 2,535.00	\$ 2,535.00	Reporting	
2019	AECOM	2000305915		\$ 1,937.50	\$ 1,937.50	Task Management	
2019	AECOM	2000305915		\$ 935.00	\$ 935.00	Well Install Report	
2019	AECOM	2000305915		\$ 2,238.75	\$ 2,238.75	Task Management	
2019	AECOM	2000305915		\$ 990.00	\$ 990.00	Intermediate Design	
2019	AECOM	2000305915		\$ 1,537.50	\$ -	Remedy Cost Estimate	\$14,240.00 - Part of PRAP - Remedy cost estimate does not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2920+2938+2958+2975
2019	AECOM	2000305915		\$ 1,659.62	\$ 1,659.62	Meetings	
2019	AECOM	2000305915		\$ 1,248.75	\$ 1,248.75	Task Management	
2020	AECOM	2000321337	\$ 30,972.64			Park-Euclid PRAP and Associated Activities	
2020	AECOM	2000321337		\$ 19.11	\$ 19.11	Annual Monitoring Report	
2020	AECOM	2000321337		\$ 280.00	\$ 280.00	Project Management	
2020	AECOM	2000321337		\$ 1,220.00	\$ 1,220.00	Semi-Annual Monitoring	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2020	AECOM	2000321337		\$ 440.00	\$ 440.00	Project Management	
2020	AECOM	2000321337		\$ 6,972.50	\$ 6,972.50	BL Monitoring & Reporting	
2020	AECOM	2000321337		\$ 920.00	\$ 920.00	Sys Plan/Des/Permitting	
2020	AECOM	2000321337		\$ 4,698.59	\$ 4,698.59	SVE System O&M	
2020	AECOM	2000321337		\$ 1,781.64	\$ 1,781.64	Non-Routine Sys O&M	
2020	AECOM	2000321337		\$ 2,445.85	\$ 2,445.85	Perf Monitoring	
2020	AECOM	2000321337		\$ 2,961.25	\$ 2,961.25	Task Management	
2020	AECOM	2000321337		\$ 211.20	\$ 211.20	Drill & Well Install	
2020	AECOM	2000321337		\$ 180.00	\$ 180.00	Well Install Report	
2020	AECOM	2000321337		\$ 2,961.25	\$ 2,961.25	Task Management	
2020	AECOM	2000321337		\$ 1,980.00	\$ 1,980.00	Intermediate Design	
2020	AECOM	2000321337		\$ 2,480.00	\$ -	Remedy Cost Estimate	\$16,720.00 - Part of PRAP - Remedy cost estimate does not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2920+2938+2958+2975+2993
2020	AECOM	2000321337		\$ 1,421.25	\$ 1,421.25	Task Management	
2020	AECOM	2000332590	\$ 31,557.59			Park-Euclid PRAP and Associated Activities	
2020	AECOM	2000332590		\$ 120.00	\$ 120.00	Annual Monitoring Report	
2020	AECOM	2000332590		\$ 850.00	\$ 850.00	Semi-Annual Monitoring	
2020	AECOM	2000332590		\$ 1,152.50	\$ 1,152.50	Biannual Monitoring	
2020	AECOM	2000332590		\$ 720.00	\$ 720.00	Project Management	
2020	AECOM	2000332590		\$ 240.00	\$ 240.00	Drill & Well Install	
2020	AECOM	2000332590		\$ 17.84	\$ 17.84	BL Monitoring & Reporting	
2020	AECOM	2000332590		\$ 3,030.00	\$ 3,030.00	Sys Plan/Des/Permitting	
2020	AECOM	2000332590		\$ 3,187.30	\$ 3,187.30	SVE System O&M	
2020	AECOM	2000332590		\$ 5,370.95	\$ 5,370.95	Non-Routine Sys O&M	
2020	AECOM	2000332590		\$ 110.00	\$ 110.00	Reporting	
2020	AECOM	2000332590		\$ 1,138.75	\$ 1,138.75	Task Management	
2020	AECOM	2000332590		\$ 450.00	\$ 450.00	Task Management	
2020	AECOM	2000332590		\$ 5,370.00	\$ -	PRAP Development	\$39,393.50 - PRAP development costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2762+2780+2802+2821+2840+2860+2880+2900+2918+2936+2956+3008
2020	AECOM	2000332590		\$ 6,875.25	\$ 6,875.25	Intermediate Design	
2020	AECOM	2000332590		\$ 1,485.00	\$ -	Remedy Cost Estimate	\$18,205.00 - Part of PRAP - Remedy cost estimate does not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2920+2938+2958+2975+2993+3010
2020	AECOM	2000332590		\$ 1,440.00	\$ 1,440.00	Task Management	
2020	AECOM	2000342341	\$ 26,084.74			Park-Euclid PRAP and Associated Activities	
2020	AECOM	2000342341		\$ 45.00	\$ 45.00	Project Management	
2020	AECOM	2000342341		\$ 1,100.00	\$ 1,100.00	Semi-Annual Monitoring	
2020	AECOM	2000342341		\$ 3,775.00	\$ 3,775.00	Biannual Monitoring	
2020	AECOM	2000342341		\$ 2,351.25	\$ 2,351.25	Project Management	
2020	AECOM	2000342341		\$ 4,040.00	\$ 4,040.00	Sys Plan/Des/Permitting	
2020	AECOM	2000342341		\$ 3,776.83	\$ 3,776.83	SVE System O&M	
2020	AECOM	2000342341		\$ 2,372.50	\$ 2,372.50	Task Management	
2020	AECOM	2000342341		\$ 433.94	\$ 433.94	Drill & Well Install	
2020	AECOM	2000342341		\$ 502.50	\$ 502.50	Task Management	
2020	AECOM	2000342341		\$ 1,870.00	\$ -	PRAP Development	\$41,296.50 - PRAP development costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2762+2780+2802+2821+2840+2860+2880+2900+2918+2936+2956+3008+3022
2020	AECOM	2000342341		\$ 2,342.72	\$ 2,342.72	Intermediate Design	
2020	AECOM	2000342341		\$ 2,092.50	\$ -	Remedy Cost Estimate	\$20,297.50 - Part of PRAP - Remedy cost estimate does not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2920+2938+2958+2975+2993+3010+3024
2020	AECOM	2000342341		\$ 1,382.50	\$ 1,382.50	Task Management	
2020	AECOM	2000352184	\$ 44,948.87			Park-Euclid PRAP and Associated Activities	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2020	AECOM	2000352184		\$ 45.00	\$ 45.00	Project Management	
2020	AECOM	2000352184		\$ 440.00	\$ 440.00	Semi-Annual Monitoring	
2020	AECOM	2000352184		\$ 28,721.99	\$ 28,721.99	Biannual Monitoring	
2020	AECOM	2000352184		\$ 262.50	\$ 262.50	Annual Monitoring Report	
2020	AECOM	2000352184		\$ 2,550.00	\$ 2,550.00	Project Management	
2020	AECOM	2000352184		\$ 3,190.00	\$ 3,190.00	Sys Plan/Des/Permitting	
2020	AECOM	2000352184		\$ 4,900.07	\$ 4,900.07	SVE System O&M	
2020	AECOM	2000352184		\$ 485.56	\$ 485.56	Non-Routine Sys O&M	
2020	AECOM	2000352184		\$ 2,186.25	\$ 2,186.25	Task Management	
2020	AECOM	2000352184		\$ 258.75	\$ 258.75	Task Management	
2020	AECOM	2000352184		\$ 1,908.75	\$ 1,908.75	Task Management	
2020	URS	2000369424	\$ 36,861.24			Park-Euclid PRAP and Associated Activities	
2020	URS	2000369424		\$ 12,784.17	\$ 12,784.17	Biennial Monitoring	
2020	URS	2000369424		\$ 220.00	\$ 220.00	Annual Monitoring Rpt	
2020	URS	2000369424		\$ 1,445.00	\$ 1,445.00	Project Management	
2020	URS	2000369424		\$ 510.00	\$ 510.00	Drill & Well Install	
2020	URS	2000369424		\$ 1,770.00	\$ 1,770.00	Sys Plan/Des/Permitting	
2020	URS	2000369424		\$ 4,463.54	\$ 4,463.54	SVE System O&M	
2020	URS	2000369424		\$ 326.03	\$ 326.03	Non-Routine Sys O&M	
2020	URS	2000369424		\$ 110.00	\$ 110.00	Reporting	
2020	URS	2000369424		\$ 3,853.75	\$ 3,853.75	Task Management	
2020	URS	2000369424		\$ 220.00	\$ 220.00	MPE Decommissioning	
2020	URS	2000369424		\$ 761.25	\$ 761.25	Task Management	
2020	URS	2000369424		\$ 670.00	\$ 670.00	Task Management	
2020	URS	2000369424		\$ 5,201.25	\$ -	PRAP Development	\$46,464.70 - PRAP development costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2762+2780+2802+2821+2840+2860+2880+2900+2918+2936+2956+3008+3022+3051
2020	URS	2000369424		\$ 2,300.00	\$ -	Remedy Cost Estimate	\$22,597.50 - Part of PRAP - Remedy cost estimate does not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2920+2938+2958+2975+2993+3010+3024+3052
2020	URS	2000369424		\$ 2,181.25	\$ 2,181.25	Task Management	
2020	URS	2000380861	\$ 62,085.61			Park-Euclid PRAP and Associated Activities	
2020	URS	2000380861		\$ 46.25	\$ 46.25	Project Management	
2020	URS	2000380861		\$ 340.00	\$ 340.00	Semi-Annual Monitoring	
2020	URS	2000380861		\$ 13,834.60	\$ 13,834.60	Biennial Monitoring	
2020	URS	2000380861		\$ 5,972.50	\$ 5,972.50	Annual Monitoring Rpt	
2020	URS	2000380861		\$ 1,445.00	\$ 1,445.00	Project Management	
2020	URS	2000380861		\$ 120.00	\$ 120.00	Drill & Well Install	
2020	URS	2000380861		\$ 3,387.70	\$ 3,387.70	SVE System O&M	
2020	URS	2000380861		\$ 3,087.76	\$ 3,087.76	Non-Routine Sys O&M	
2020	URS	2000380861		\$ 340.00	\$ 340.00	Perf Monitoring	
2020	URS	2000380861		\$ 2,353.75	\$ 2,353.75	Task Management	
2020	URS	2000380861		\$ 23,555.00	\$ 23,555.00	MPE Decommissioning	
2020	URS	2000380861		\$ 3,963.75	\$ 3,963.75	Task Management	
2020	URS	2000380861		\$ (13.20)	\$ (13.20)	Drill & Well Install	
2020	URS	2000380861		\$ 1,033.75	\$ 1,033.75	Task Management	
2020	URS	2000380861		\$ 1,125.00	\$ -	PRAP Development	\$47,589.75 - PRAP development costs do not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2762+2780+2802+2821+2840+2860+2880+2900+2918+2936+2956+3008+3022+3051+3069
2020	URS	2000380861		\$ 130.00	\$ -	Remedy Cost Estimate	\$22,727.50 - Part of PRAP - Remedy cost estimate does not meet the requirements of A.R.S. 49-282.06(A). Amount is running total from lines 2920+2938+2958+2975+2993+3010+3024+3052+3070
2020	URS	2000380861		\$ 1,363.75	\$ 1,363.75	Task Management	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2020	URS	2000391124	\$ 23,621.44			Park-Euclid PRAP and Associated Activities	
2020	URS	2000391124		\$ (502.50)	\$ (502.50)	Biennial Monitoring	
2020	URS	2000391124		\$ 1,245.00	\$ 1,245.00	Annual Monitoring Rpt	
2020	URS	2000391124		\$ 562.50	\$ 562.50	Project Management	
2020	URS	2000391124		\$ 105.05	\$ 105.05	GAC Disp/Tank Rinsing	
2020	URS	2000391124		\$ 1,197.39	\$ 1,197.39	SVE System O&M	
2020	URS	2000391124		\$ 155.00	\$ 155.00	Non-Routine Sys O&M	
2020	URS	2000391124		\$ 8,012.50	\$ 8,012.50	Perf Monitoring	
2020	URS	2000391124		\$ 2,141.25	\$ 2,141.25	Task Management	
2020	URS	2000391124		\$ 8,189.00	\$ 8,189.00	MPE Decommissioning	
2020	URS	2000391124		\$ 1,871.25	\$ 1,871.25	Task Management	
2020	URS	2000391124		\$ 435.00	\$ 435.00	Task Management	
2020	URS	2000391124		\$ 210.00	\$ 210.00	Task Management	
2020	URS	2000409132	\$ 94,687.76			Park-Euclid PRAP and Associated Activities	
2020	URS	2000409132		\$ (488.75)	\$ (488.75)	Biennial Monitoring	
2020	URS	2000409132		\$ 12,423.75	\$ 12,423.75	Annual Monitoring Rpt	
2020	URS	2000409132		\$ 6,085.00	\$ 6,085.00	CAB Meetings	
2020	URS	2000409132		\$ 1,262.50	\$ 1,262.50	Project Management	
2020	URS	2000409132		\$ 1,020.26	\$ 1,020.26	SVE System O&M	
2020	URS	2000409132		\$ 8,100.60	\$ 8,100.60	Perf Monitoring	
2020	URS	2000409132		\$ 1,857.50	\$ 1,857.50	Reporting	
2020	URS	2000409132		\$ 1,696.25	\$ 1,696.25	Task Management	
2020	URS	2000409132		\$ 60,064.70	\$ 60,064.70	MPE Decommissioning	
2020	URS	2000409132		\$ 1,912.50	\$ 1,912.50	Task Management	
2020	URS	2000409132		\$ 153.45	\$ 153.45	Drill & Well Install	
2020	URS	2000409132		\$ 300.00	\$ 300.00	Task Management	
2020	URS	2000409132		\$ 300.00	\$ 300.00	Task Management	
2020	URS	2000416574	\$ 20,852.95			Park-Euclid PRAP and Associated Activities	
2020	URS	2000416574		\$ 2,002.50	\$ 2,002.50	Annual Monitoring Rpt	
2020	URS	2000416574		\$ 1,252.50	\$ 1,252.50	CAB Meetings	
2020	URS	2000416574		\$ 450.00	\$ 450.00	Project Management	
2020	URS	2000416574		\$ 120.00	\$ 120.00	Drill & Well Install	
2020	URS	2000416574		\$ 112.50	\$ 112.50	Sys Plan/Des/Permitting	
2020	URS	2000416574		\$ 3,447.95	\$ 3,447.95	SVE System O&M	
2020	URS	2000416574		\$ 3,790.00	\$ 3,790.00	Reporting	
2020	URS	2000416574		\$ 1,935.00	\$ 1,935.00	Task Management	
2020	URS	2000416574		\$ 4,105.00	\$ 4,105.00	MPE Decommissioning	
2020	URS	2000416574		\$ 2,475.00	\$ 2,475.00	Task Management	
2020	URS	2000416574		\$ 892.50	\$ 892.50	Task Management	
2020	URS	2000416574		\$ 270.00	\$ 270.00	Task Management	
2020	URS	2000427815	\$ 19,892.70			Park-Euclid PRAP and Associated Activities	
2020	URS	2000427815		\$ 225.00	\$ 225.00	Annual Monitoring Rpt	
2020	URS	2000427815		\$ 900.00	\$ 900.00	CAB Meetings	
2020	URS	2000427815		\$ 250.00	\$ 250.00	Project Management	
2020	URS	2000427815		\$ 3,802.50	\$ 3,802.50	Sys Plan/Des/Permitting	
2020	URS	2000427815		\$ 3,640.20	\$ 3,640.20	SVE System O&M	
2020	URS	2000427815		\$ 2,453.75	\$ 2,453.75	Reporting	
2020	URS	2000427815		\$ 4,178.75	\$ 4,178.75	Task Management	
2020	URS	2000427815		\$ 2,867.50	\$ 2,867.50	MPE Decommissioning	
2020	URS	2000427815		\$ 562.50	\$ 562.50	Task Management	
2020	URS	2000427815		\$ 1,012.50	\$ 1,012.50	Task Management	
2020	URS	2000436095	\$ 15,447.19			Park-Euclid PRAP and Associated Activities	
2020	URS	2000436095		\$ 112.50	\$ 112.50	Biennial Monitoring	
2020	URS	2000436095		\$ 171.25	\$ 171.25	Project Management	
2020	URS	2000436095		\$ 3,590.00	\$ 3,590.00	Sys Plan/Des/Permitting	

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
2020	URS	2000436095		\$ 3,418.44	\$ 3,418.44	SVE System O&M	
2020	URS	2000436095		\$ 900.00	\$ 900.00	Non-Routine Sys O&M	
2020	URS	2000436095		\$ 2,402.50	\$ 2,402.50	Reporting	
2020	URS	2000436095		\$ 3,052.50	\$ 3,052.50	Task Management	
2020	URS	2000436095		\$ 225.00	\$ 225.00	MPE Decommissioning	
2020	URS	2000436095		\$ 1,575.00	\$ 1,575.00	Task Management	
2021	URS	2000451292	\$ 17,984.86			Park-Euclid PRAP and Associated Activities	
2021	URS	2000451292		\$ 1,382.50	\$ 1,382.50	Biennial Monitoring	
2021	URS	2000451292		\$ 350.00	\$ 350.00	Project Management	
2021	URS	2000451292		\$ 2,777.50	\$ 2,777.50	Sys Plan/Des/Permitting	
2021	URS	2000451292		\$ 5,337.88	\$ 5,337.88	SVE System O&M	
2021	URS	2000451292		\$ 2,303.73	\$ 2,303.73	Non-Routine Sys O&M	
2021	URS	2000451292		\$ 365.75	\$ 365.75	Perf Monitoring	
2021	URS	2000451292		\$ 3,667.50	\$ 3,667.50	Task Management	
2021	URS	2000451292		\$ 900.00	\$ 900.00	Task Management	
2021	URS	2000451292		\$ 900.00	\$ 900.00	Task Management	
2021	URS	2000457858	\$ 11,013.32			Park-Euclid PRAP and Associated Activities	
2021	URS	2000457858		\$ 1,362.50	\$ 1,362.50	Project Management	
2021	URS	2000457858		\$ 509.30	\$ 509.30	GAC Disp/Tank Rinsing	
2021	URS	2000457858		\$ 3,160.27	\$ 3,160.27	SVE System O&M	
2021	URS	2000457858		\$ 620.00	\$ 620.00	Non-Routine Sys O&M	
2021	URS	2000457858		\$ 155.00	\$ 155.00	Reporting	
2021	URS	2000457858		\$ 5,206.25	\$ 5,206.25	Task Management	
TOTALS			\$ 10,164,626.37	\$ 10,154,004.97	\$ 8,794,210.21		

Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
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Table B-2 Park Euclid Group Cost Credit Invoice Summary

YEAR	CONTRACTOR	INVOICE NUMBER	INVOICE AMOUNT	PRESENTED COST	APPROVED COST	INVOICE TITLE/TASKS	NOTES
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APPENDIX C

DETAILED FUTURE COST SUMMARY

Table C-1 Summary of Costs - No Contingency

Year	Upper Vadose Zone	Perched Aquifer	Lower Vadose Zone	Regional Aquifer	Periodic Review	Subtotal
1	\$ 40,570	\$ 38,370	\$ 218,520	\$ 43,940	\$ -	\$ 341,400
2	\$ 40,570	\$ 38,370	\$ 240,040	\$ 5,810	\$ -	\$ 324,790
3	\$ 40,570	\$ 38,370	\$ 218,520	\$ 43,940	\$ -	\$ 341,400
4	\$ 40,570	\$ 38,370	\$ 41,100	\$ 5,810	\$ -	\$ 125,850
5	\$ 40,570	\$ 38,370	\$ 41,100	\$ 43,940	\$ 10,000	\$ 173,980
6	\$ 600	\$ 2,000	\$ 41,100	\$ 5,810	\$ -	\$ 49,510
7	\$ 31,790	\$ 25,070	\$ 223,720	\$ 43,940	\$ -	\$ 324,520
8	\$ 600	\$ 2,000	\$ -	\$ 5,810	\$ -	\$ 8,410
9	\$ 31,790	\$ 25,070	\$ -	\$ 43,940	\$ -	\$ 100,800
10	\$ 600	\$ 2,000	\$ -	\$ 252,520	\$ 10,000	\$ 265,120
11	\$ 31,790	\$ 25,070	\$ -	\$ 43,940	\$ -	\$ 100,800
12	\$ 600	\$ 2,000	\$ -	\$ 5,810	\$ -	\$ 8,410
13	\$ 31,790	\$ 25,070	\$ -	\$ 43,940	\$ -	\$ 100,800
14	\$ 600	\$ 2,000	\$ -	\$ 5,810	\$ -	\$ 8,410
15	\$ 170,940	\$ 25,070	\$ -	\$ 43,940	\$ 10,000	\$ 249,950
16	\$ -	\$ 2,000	\$ -	\$ 5,810	\$ -	\$ 7,810
17	\$ -	\$ 2,000	\$ -	\$ 43,940	\$ -	\$ 45,940
18	\$ -	\$ 2,000	\$ -	\$ 5,810	\$ -	\$ 7,810
19	\$ -	\$ 2,000	\$ -	\$ 43,940	\$ -	\$ 45,940
20	\$ -	\$ 25,070	\$ -	\$ 5,810	\$ 10,000	\$ 40,880
21	\$ -	\$ 2,000	\$ -	\$ 43,940	\$ -	\$ 45,940
22	\$ -	\$ 2,000	\$ -	\$ 5,810	\$ -	\$ 7,810
23	\$ -	\$ 2,000	\$ -	\$ 43,940	\$ -	\$ 45,940
24	\$ -	\$ 2,000	\$ -	\$ 5,810	\$ -	\$ 7,810
25	\$ -	\$ 25,070	\$ -	\$ 43,940	\$ 10,000	\$ 79,010
26	\$ -	\$ 2,000	\$ -	\$ 5,810	\$ -	\$ 7,810
27	\$ -	\$ 2,000	\$ -	\$ 43,940	\$ -	\$ 45,940
28	\$ -	\$ 2,000	\$ -	\$ 5,810	\$ -	\$ 7,810
29	\$ -	\$ 2,000	\$ -	\$ 43,940	\$ -	\$ 45,940
30	\$ -	\$ 331,200	\$ -	\$ 444,950	\$ -	\$ 776,150
TOTAL	\$ 503,950	\$ 732,540	\$ 1,024,100	\$ 1,432,100	\$ 50,000	\$ 3,742,690

Modified from PRAP (URS, 2020b)

Table C-2 Summary of Costs - Wellhead Contingency

Year	Capital Costs		Wellhead Treatment	GAC Change-Out		System Abandonment		Subtotal	
1	\$	-	\$	-	\$	-	\$	-	\$
2	\$	-	\$	-	\$	-	\$	-	\$
3	\$	-	\$	-	\$	-	\$	-	\$
4	\$	-	\$	-	\$	-	\$	-	\$
5	\$	-	\$	-	\$	-	\$	-	\$
6	\$	-	\$	-	\$	-	\$	-	\$
7	\$	-	\$	-	\$	-	\$	-	\$
8	\$	-	\$	-	\$	-	\$	-	\$
9	\$	-	\$	-	\$	-	\$	-	\$
10	\$	-	\$	-	\$	-	\$	-	\$
11	\$	562,500	\$	-	\$	-	\$	-	\$ 562,500
12	\$	-	\$	42,970	\$	30,000	\$	-	\$ 72,970
13	\$	-	\$	42,970	\$	60,000	\$	-	\$ 102,970
14	\$	-	\$	42,970	\$	30,000	\$	-	\$ 72,970
15	\$	-	\$	42,970	\$	60,000	\$	-	\$ 102,970
16	\$	-	\$	42,970	\$	30,000	\$	-	\$ 72,970
17	\$	-	\$	42,970	\$	60,000	\$	-	\$ 102,970
18	\$	-	\$	42,970	\$	30,000	\$	-	\$ 72,970
19	\$	-	\$	42,970	\$	30,000	\$	-	\$ 72,970
20	\$	-	\$	42,970	\$	30,000	\$	-	\$ 72,970
21	\$	-	\$	42,970	\$	-	\$	25,000	\$ 67,970
22	\$	-	\$	-	\$	-	\$	-	\$
23	\$	-	\$	-	\$	-	\$	-	\$
24	\$	-	\$	-	\$	-	\$	-	\$
25	\$	-	\$	-	\$	-	\$	-	\$
26	\$	-	\$	-	\$	-	\$	-	\$
27	\$	-	\$	-	\$	-	\$	-	\$
28	\$	-	\$	-	\$	-	\$	-	\$
29	\$	-	\$	-	\$	-	\$	-	\$
30	\$	-	\$	-	\$	-	\$	-	\$
TOTAL	\$	562,500	\$	429,700	\$	360,000	\$	25,000	\$ 1,377,200

Modified from PRAP (URS, 2020b)

Table C-3 Detail Costs - Upper Vadose Zone Remedy

Monitored Natural Attenuation (Year 1 to 5)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Sample Wells	Well	\$ 500	34	\$ 17,000
2	Analytical (TO-15)	Sample	\$ 200	38	\$ 7,600
3	Evaluation & Reporting	Lump	\$ 10,000	1	\$ 10,000
4	Tucson Access Fee	Well	\$ 100	6	\$ 600
5	Project Management	Lump	\$ 3,460	1	\$ 3,460
6	Uncertainty	Lump	\$ 1,910	1	\$ 1,910
Subtotal (Cost per year)					\$ 40,570

Monitored Natural Attenuation (Year 6 to 15 - Odd Years)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Sample Wells	Well	\$ 500	25	\$ 12,500
2	Analytical (TO-15)	Sample	\$ 200	28	\$ 5,600
3	Evaluation & Reporting	Lump	\$ 8,900	1	\$ 8,900
4	Tucson Access Fee	Well	\$ 100	6	\$ 600
5	Project Management	Lump	\$ 2,700	1	\$ 2,700
6	Uncertainty	Lump	\$ 1,490	1	\$ 1,490
Subtotal (Cost per year)					\$ 31,790

Monitored Natural Attenuation (Year 6 to 15 - Even Years)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Tucson Access Fee	Well	\$ 100	6	\$ 600
Subtotal (Cost per year)					\$ 600

System Abandonment (Year 15)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Evaluation & Coordination	Lump	\$ 17,000	1	\$ 17,000
2	Well Abandonment	Well	\$ 2,000	34	\$ 68,000
3	Reporting & Close Out	Lump	\$ 25,000	1	\$ 25,000
4	Project Management	Lump	\$ 11,000	1	\$ 11,000
5	Uncertainty	Lump	\$ 18,150	1	\$ 18,150
Subtotal (Cost per year)					\$ 139,150

Source: PRAP (URS, 2020b)

Table C-4 Detail Costs - Perched Aquifer Remedy

Monitored Natural Attenuation (Year 1 to 5)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Sample Wells	Well	\$ 500	34	\$ 17,000
2	Analytical (8260B)	Sample	\$ 65	38	\$ 2,470
3	Analytical (RSK-175)	Sample	\$ 85	6	\$ 510
4	Evaluation & Reporting	Lump	\$ 11,500	1	\$ 11,500
5	Tucson Access Fee	Well	\$ 100	20	\$ 2,000
6	Project Management	Lump	\$ 3,150	1	\$ 3,150
7	Uncertainty	Lump	\$ 1,740	1	\$ 1,740
Subtotal (Cost per year)					\$ 38,370

Monitored Natural Attenuation (Year 6 to 30 - Odd Year & Every 5 Years after 15 Years)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Sample Wells	Well	\$ 500	20	\$ 10,000
2	Analytical (8260B)	Sample	\$ 65	22	\$ 1,430
3	Analytical (RSK-175)	Sample	\$ 85	4	\$ 340
4	Evaluation & Reporting	Lump	\$ 8,200	1	\$ 8,200
5	Tucson Access Fee	Well	\$ 100	20	\$ 2,000
6	Project Management	Lump	\$ 2,000	1	\$ 2,000
7	Uncertainty	Lump	\$ 1,100	1	\$ 1,100
Subtotal (Cost per year)					\$ 25,070

Monitored Natural Attenuation (Year 6 to 30 - Even Year & 4 out of 5 years after 15 Years)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Tucson Access Fee	Well	\$ 100	20	\$ 2,000
Subtotal (Cost per year)					\$ 2,000

System Abandonment (Year 30)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Evaluation & Coordination	Lump	\$ 17,000	1	\$ 17,000
2	Well Abandonment	Well	\$ 6,250	32	\$ 200,000
3	Reporting & Close Out	Lump	\$ 25,000	1	\$ 25,000
4	Project Management	Lump	\$ 24,200	1	\$ 24,200
5	Uncertainty	Lump	\$ 39,930	1	\$ 39,930
Subtotal (Cost per year)					\$ 306,130

Modified from PRAP (URS, 2020b)

Table C- 5 Detail Costs - Lower Vadose Zone Remedy

Soil Vapor Extraction (Year 1 to 3)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Operation & Maintenance	Quarter	\$ 9,500	4	\$ 38,000
2	Electrical (Blower)	Month	\$ 200	12	\$ 2,400
3	Electrical (CatOx)	Month	\$ 2,440	12	\$ 29,280
4	Operation & Maintenance - Labor	Month	\$ 4,360	12	\$ 52,320
5	Vapor Sampling	Month	\$ 450	12	\$ 5,400
6	Air Permit Fee	Year	\$ 4,500	1	\$ 4,500
7	Project Management	Lump	\$ 10,470	1	\$ 10,470
8	Uncertainty	Lump	\$ 16,250	1	\$ 16,250
Subtotal (Cost per year)					\$ 158,620

Periodic Operational Cost (One Time Cost In Year 2)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Catalyst Replacement	Lump	\$ 20,000	1	\$ 20,000
2	Project Management	Lump	\$ 1,230	1	\$ 1,230
3	Uncertainty	Lump	\$ 290	1	\$ 290
Subtotal (Cost per year)					\$ 21,520

Performance & Rebound Vapor Monitoring & Reporting (Year 1 to 3, & 7)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Sample Wells	Well	\$ 500	52	\$ 26,000
2	Analytical (TO-15)	Sample	\$ 200	58	\$ 11,600
3	Evaluation & Reporting	Lump	\$ 15,000	1	\$ 15,000
4	Tucson Access Fee	Well	\$ 100	2	\$ 200
5	Project Management	Lump	\$ 3,380	1	\$ 3,380
6	Uncertainty	Lump	\$ 3,720	1	\$ 3,720
Subtotal (Cost per year)					\$ 59,900

Performance & Rebound Vapor Monitoring & Reporting (Year 4 to 6)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Sample Wells	Well	\$ 500	26	\$ 13,000
2	Analytical (TO-15)	Sample	\$ 200	29	\$ 5,800
3	Evaluation & Reporting	Lump	\$ 15,000	1	\$ 15,000
4	Tucson Access Fee	Well	\$ 100	2	\$ 200
5	Project Management	Lump	\$ 3,380	1	\$ 3,380
6	Uncertainty	Lump	\$ 3,720	1	\$ 3,720
Subtotal (Cost per year)					\$ 41,100

Site Close Out (Year 7)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Evaluation & Coordination	Lump	\$ 17,000	1	\$ 17,000
2	Well Abandonment	Well Cluster	\$ 12,500	7	\$ 87,500
3	Reporting & Close Out	Lump	\$ 25,000	1	\$ 25,000
4	Project Management	Lump	\$ 12,950	1	\$ 12,950
5	Uncertainty	Lump	\$ 21,370	1	\$ 21,370
Subtotal (Cost per year)					\$ 163,820

Modified from PRAP (URS, 2020b)

Table C- 6 Detail Costs - Regional Aquifer Remedy

Monitored Natural Attenuation (Year 1 to 29 - Odd Years & Year 30)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Sample Wells	Well	\$ 600	25	\$ 15,000
2	Analytical (8260B)	Sample	\$ 65	28	\$ 1,820
3	Evaluation & Reporting	Lump	\$ 20,000	1	\$ 20,000
4	Tucson Access Fee	Well	\$ 100	14	\$ 1,400
5	Project Management	Lump	\$ 3,690	1	\$ 3,690
6	Uncertainty	Lump	\$ 2,030	1	\$ 2,030
Subtotal (Cost per year)					\$ 43,940

Monitored Natural Attenuation (Year 1 to 28 - Even Years)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Sample Wells	Well	\$ 600	4	\$ 2,400
2	Analytical (8260B)	Sample	\$ 65	6	\$ 390
3	Evaluation & Reporting	Lump	\$ 500	1	\$ 500
4	Tucson Access Fee	Well	\$ 100	20	\$ 2,000
5	Project Management	Lump	\$ 330	1	\$ 330
6	Uncertainty	Lump	\$ 190	1	\$ 190
Subtotal (Cost per year)					\$ 5,810

Periodic Operational Cost (One Time Cost for Well Replacement - Year 10)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Work Plan & Coordination	Lump	\$ 25,000	1	\$ 25,000
2	Drilling & Installation	Well	\$ 68,000	2	\$ 136,000
3	Oversight & Reporting	Well	\$ 13,800	2	\$ 27,600
4	Well Abandonment	Well	\$ 12,500	2	\$ 25,000
5	Project Management	Lump	\$ 21,360	1	\$ 21,360
6	Uncertainty	Lump	\$ 11,750	1	\$ 11,750
Subtotal (Cost per year)					\$ 246,710

System Abandonment (Year 30)

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Evaluation & Coordination	Lump	\$ 17,000	1	\$ 17,000
2	Well Abandonment	Well	\$ 12,500	22	\$ 275,000
3	Reporting & Close Out	Lump	\$ 25,000	1	\$ 25,000
4	Project Management	Lump	\$ 31,700	1	\$ 31,700
5	Uncertainty	Lump	\$ 52,310	1	\$ 52,310
Subtotal (Cost per year)					\$ 401,010

Modified from PRAP (URS, 2020b)

Table C-7 Detail Costs - Regional Aquifer Remedy - Wellhead Contingency

Wellhead Treatment - Capital Costs

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	System Design, Permitting, & Coordination	Each	\$ 25,000	1	\$ 25,000
2	System Purchase - 2 GAC Vessels (500 gpm) with 10 Tons Carbon	Each	\$ 232,500	1	\$ 232,500
3	Valves, Sampling Ports, & Bag Filters	Each	\$ 35,000	1	\$ 35,000
4	System Install	Each	\$ 105,000	1	\$ 105,000
5	Electrical & Controls	Each	\$ 35,000	1	\$ 35,000
6	Freight & Taxes	Each	\$ 40,000	1	\$ 40,000
7	Project Management	Lump	\$ 43,000	1	\$ 43,000
8	Uncertainty	Lump	\$ 47,000	1	\$ 47,000
Subtotal (Cost per year)					\$ 562,500

Wellhead Treatment - Annual Costs Per Well

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	Utility Services	Month	\$ 200	12	\$ 2,400
2	Routine Maintenance	Quarter	\$ 2,600	4	\$ 10,400
3	Sampling	Month	\$ 600	12	\$ 7,200
4	Analytical (8260B)	Sample	\$ 65	36	\$ 2,340
5	Evaluation & Reporting	Each	\$ 12,000	1	\$ 12,000
6	Project Management	Lump	\$ 3,440	1	\$ 3,440
7	Uncertainty	Lump	\$ 5,190	1	\$ 5,190
Subtotal (Cost per year)					\$ 42,970

GAC Change-Outs

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	GAC Change-Out (10,000 pounds)	Each	\$ 30,000	12	\$ 360,000
Subtotal (Cost per year)					\$ 360,000

System Abandonment

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Quantity</i>	<i>Total (Rounded)</i>
1	System Abandonment	Lump	\$ 25,000	1	\$ 25,000
Subtotal (Cost per year)					\$ 25,000

Modified from PRAP (URS, 2020b)